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GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 248
Activity No.: PER20070001

Mr. Gene Fluharty
Vice President - Manufacturing
Deltech Corporation
11911 Scenic Highway
Baton Rouge, LA 70807

RE: Part 70 Operating Permit Modification, Deltech Facility, Deltech Corporation, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. Fluharty:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 31st of October, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 0840-00006-V4

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN/MFC
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

DELTECH FACILITY
AGENCY INTEREST NO.: 248
DELTECH CORPORATION
BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA

I. BACKGROUND

Deltech Corporation (Deltech) owns and operates a chemical manufacturing plant in Baton Rouge, Louisiana. The Deltech facility is a 50 year old styrene manufacturing complex. The facility was grandfathered and has received several permits reflecting modifications since that time. The primary operation at the Deltech facility is the manufacture of specialty aromatic monomers. These monomers are generally produced in the same method and with the same equipment on a campaign basis and distributed for commerce through inventory of the finished product. A list of Deltech's products includes styrene, methyl styrene, divinyl benzene, diisopropenyl benzene, and tertiary butyl styrene. Deltech also stores and distributes styrene monomer as a terminal operation.

Deltech currently operates under Part 70 Operating Permit No. 0840-00006-V3 issued on October 31, 2006.

II. ORIGIN

Deltech Corporation submitted a permit application and Emission Inventory Questionnaire (EIQ) dated May 4, 2007, requesting a Part 70 Operating Permit Modification. Additional information dated December 26, 2007 was also received.

III. DESCRIPTION

Specialty Monomers Process Description

Deltech produces specialty monomers in several steps. These are alkylation, purification of the alkylate, dehydrogenation of the alkylate, and purification of the dehydrogenate until distribution by several transport media. In several processes, alkylate is produced as a by-product of other manufacturing processes and purchased for use as a feedstock to the alkylate purification step. Other processes, such as 97% styrene manufacture, use material purchased from other processes which is similar to the crude dehydrogenated alkylate for feedstock to the purified dehydrogenates sequence.

The major contribution of air pollutants is the emission of nitrogen oxides from combustion sources as energy requirements for the manufacturing process. NOx emissions result from furnaces for heating and boilers for steam production. Other emissions of particular interest are hydrocarbons. VOC emissions result from the storage of liquid raw materials and products. VOC emissions also result from vacuum distillation process, steam stripping of process water, loading losses, and fugitive emissions.

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Deltech operates according to several individual campaigns for the production of all specialty monomers. Individual campaigns are divided according to the two operating units, Methyl Styrene (MS) and Specialty Chemical Process (SCP). The permitted emissions are based upon the following annual production throughput:

Unit	Campaign Designation	Product	Amount (MM LBS)	Operation
MS	MSA	Methyl Styrenes	55	Production
MS	MSB	Styrene	100	Production
MS	MSC	Methyl Styrenes	15	Production
MS	MSD	DiPEB	12	Production
MS	MSE	Styrene, 97 %	35	Reclamation
MS	MSF	T-Butyl Styrene	4	Production
SCP	SCA	Divinyl Benzene	17	Production
SCP	SCB	T-Butyl Styrene	4	Production
Tank Farm	----	Styrene	100	Terminal
Tank Farm	----	Toluene	10	Terminal

The emissions from storage tanks, combustion sources, equipment leaks, loading losses, and wastewater operations are not campaign dependent. In the Methyl Styrene unit, three dehydrogenation reactors and distillation trains allow two concurrent campaigns. Only one product is produced at a time in the Specialty Chemical Process unit.

Current Permit No. 0840-00006-V3 consolidated several projects addressed in previous permit modifications. However, some of these projects have not yet been constructed. These are the production of TBEB (tertiary butyl ethylbenzene), the modification of two existing columns in the SCP unit to separate benzene and toluene from the aromatic lights stream, and the construction of two new storage tanks (MV 817 and MV 818). Deltech does intend to complete these projects.

This permit modification includes an increase in the production of Divinyl Benzene (DVB) from 8 million pounds per year to 17 million pounds per year, the addition of three existing emergency diesel engines and one emergency generator, the addition of two existing sulfuric acid tanks, the addition of tank MS 416, and the installation of a new reactor. Tank MS 416 is being added for additional storage capacity for potentially contaminated stormwater due to severe weather

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conditions. This existing tank was removed from the current permit since it was no longer in service and future use was not expected. The tank will not be aerated as it was previously so emissions are expected to be minimal and within the current permitted totals for the wastewater treatment system (Emission Point WWT).

Deltech also proposes to install another reactor in series with the existing reactors in the alkylation portion (MS Unit) of the facility. The new reactor is being added to improve conversion of raw material to product. There will be no production increase as a result of this addition, but the reactor will be subject to 40 CFR 60 Subpart RRR. Also, the flow through the reactors will not increase thus resulting in no increase of the vent stream flow. The vent stream from the alkylation reactors will continue to vent to the boilers during routine operation and to the flare upon reactor startup. However, the CO emissions from venting during decoking of the catalyst beds will increase (Emission Point XD 101 A/B/C). The installation of the new reactor constitutes a Title I Modification as defined in LAC 33:III.502 requiring public notice of the proposed permit.

Estimated emissions from the facility in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	59.61	59.68	+ 0.07
SO ₂	48.32	48.39	+ 0.07
NOx	164.22	165.13	+ 0.91
CO	150.87	156.56	+ 5.69
VOC	54.01	54.17*	+ 0.16

*VOC Speciation

<u>VOC TAPs (LAC 33:III.Chapter 51):</u>	<u>TPY</u>
Benzene	7.682
Cumenc	0.188
Ethylbenzene	5.128
Formaldehyde	0.080
Methanol	0.001
Naphthalene	0.009
Styrene	5.169
Toluene	9.868
Xylene	1.898
Other VOC (Non-LAC 33:III.Chapter 51)	24.147
Total VOC	54.17

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The Deltech site is a major source of toxic air pollutants (TAPs) and emits benzene and styrene above their respective minimum emission rate (MER). Therefore, the Deltech facility shall comply with all applicable provisions of the Louisiana Air Toxics Program, LAC 33:III.Chapter 51, regarding these compounds.

The Deltech facility is a chemical manufacturing plant and shall comply with the applicable provisions of New Source Performance Standards (NSPS); the applicable provisions of the Hazardous Organic NESHAP (HON) associated with the Methyl Styrene Unit (MS); and the Miscellaneous Organic Chemical Manufacturing NESHAP (MON) and Louisiana Non-HON equipment leaks associated with the Specialty Chemical Process Unit (SCP).

IV. TYPE OF REVIEW

This permit was reviewed for compliance with the Louisiana Preconstruction and Part 70 Operating Permit Program. It was also reviewed for compliance with Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Organic Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. PUBLIC NOTICE

A notice requesting public comment on the proposed permit was published in The Advocate, Baton Rouge, Louisiana, on <date>, 2008 and in the Office of Environmental Services Public Notice Mailing List on <date>, 2008. The proposed permit was also submitted to US EPA Region VI. All comments will be considered prior to the final permit decision.

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VII. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
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VIII. GENERAL CONDITION XVII ACTIVITIES

<u>Work Activity</u>	<u>Frequency</u>	<u>VOC</u> (tpy)
1. Sampling Procedures	1000 samples per month	0.02
2. Pump Preparation	150 pumps per year	0.006
3. Line Preparation	1 line per working day	0.005
4. Vessel Preparation	70 vessels per year	0.13
5. Instrumentation Mechanical Work	240 instruments per year	0.001
6. Tank Cleaning for Inspection and Service	5 tanks per year	1.732
7. Shop Work on Equipment	All year	0.01
8. Solids Loading and Unloading (catalysts)	3 times per year	-
9. Crude Styrene Tank Vent Scrubber Maintenance	240 hours per year	0.124

IX. INSIGNIFICANT ACTIVITIES

<u>Description</u>	<u>Regulation</u>
1. Storage tanks < 250 gallons (VP <= 3.5 psia)	LAC 33:III.501.B.5.A.2
2. Five diesel fuel storage tanks (< 10,000 gals, VP < 0.5 psia)	LAC 33:III.501.B.5.A.3
3. Fuel burning heating equipment (< 1 MM Btu/hr)	LAC 33:III.501.B.5.A.5
4. Laboratory equipment/vents	LAC 33:III.501.B.5.A.6
5. Noncommercial water washing operations of empty drums (<= 55 gals)	LAC 33:III.501.B.5.A.7
6. Portable fuel tanks	LAC 33:III.501.B.5.A.8
7. Caustic storage tanks	LAC 33:III.501.B.5.A.10
8. Catalyst charging operations	LAC 33:III.501.B.5.A.11

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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III Chapter															40 CFR 60			40 CFR 61			40 CFR 63			40 CFR											
		5 ^A	9	11	13	15	21	22	29*	51*	56	59*	A	D/ Db/ Dc	K/ Ka	VV	NNN	RRR	A	J	V	Y	FF	A	F	G	H	Q	Y	FF	FF	82					
UNF 1	Facility Wide	1	1	1	1	1	1	1	1	1	1	1	1	1	1					1														1			
EQT 19	MD 602 Gasoline Drum					1										3	3																				
EQT 20	AT 513 Condensate Stripper Vent					2		1										2																			
EQT 21	PE 01 MS Vacuum Jet Vent					2		1										2																			
EQT 22	XB 101 Alkylation Furnace					1	1	3								3																					
EQT 111	XD 101 A/B/C Reactor Effluent Separator Vent (Alkylation Reactors)					3					1																										
EQT 112	PE 005 Vacuum System (T 10) Vent					2					1							2																			
EQT 23, 24	E HTWLL, W HTWLL East and West Hotwell Vents										1																										
EQT 113	PE 301 Vacuum System Vent					2					1																										
EQT 114, 115	PE 302, SCP HTWLL Vacuum System Vent and SCP Hotwell Vent					2					3/1																										
FUG 1	ASF Fugitives					1					1																										
EQT 90	COOL TWR Cooling Tower										1																										
EQT 4, 5, 6, 3, 109, 110	MD 008N, MD 011A, MD 014, MD 017, MD 019, MD 020 Surge Control Vessels					2					1																										

* The regulations indicated above are State Only regulations.
^A All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.
1 - The regulations have applicable requirements that apply to this particular emission source.
2 - The emission source may not have to be controlled but may have monitoring, recordkeeping, and/or reporting requirements.
3 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
Blank - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank - The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source		Requirement	Exemption/Non-Applicability	Notes
EQT.19 MD 602 Gasoline Drum	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank constructed prior to applicability date (June 11, 1973) DOES NOT APPLY. Tank constructed prior to applicability date (May 18, 1978) DOES NOT APPLY. Tank constructed prior to applicability date (July 23, 1984)	Tank constructed in 1969 Tank capacity = 1,023 gals Vapor pressure > 1.5 psia Tank constructed in 1969	
EQT.20 AT 513 Condensate Stripper Vent	NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.119 Waste Gas Disposal LAC 33:III.2115 Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. This tank is not part of a chemical manufacturing process unit regulated under the HON. [40 CFR 63.100(g)(1)] EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c) EXEMPT. Subject to the Hazardous Organic NESHAP (HON). (LAC 33:III.2147.A.2.g)	TRE > 1.0	
EQT.21 PE 01 MS Vacuum Jet Vent	NSPS Subpart NNN - Distillation Operations 40 CFR 60.660 NSPS Subpart RRR - Reactor Processes 40 CFR 60.700 Waste Gas Disposal LAC 33:III.2115 Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations LAC 33:III.2147	EXEMPT. Process vent is required to comply only with the HON for continuous monitoring of recovery device operating parameters and the associated testing, reporting and recordkeeping. [63.110(d)(5)(ii)(C)] DOES NOT APPLY. Source does not meet the definition of a reactor process. (40 CFR 60.701) EXEMPT. The vent stream from the individual sources serviced by this control system contains less than 100 lbs of VOC in any continuous 24-hour period. (LAC 33:III.2115.H.1.c) EXEMPT. Subject to the Hazardous Organic NESHAP (HON). (LAC 33:III.2147.A.2.g)	This vent services ten distillation columns (T 8, T 9, T 9B, T 9C, T 9D, T 10, T 10A, T 10B, T 10C, T 11E)	

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XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Requirement	Exemption/Non-Applicability	Notes
EOT 21 PE 01 MS Vacuum Jet Vent (Continued)	NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	EXEMPT. The distillation units serviced by this condenser are required to comply only with the HON for continuous monitoring of recovery device operating parameters and the associated testing, reporting and recordkeeping. [63.110(d)(5)(ii)(C)]	TRE > 1.0
EOT 22 XB 101 Alkylation Furnace	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700 Emission Standards for Sulfur Dioxide LAC 33:III.1502	DOES NOT APPLY. Source does not meet the definition of a reactor process. (40 CFR 60.701) DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Furnace emits < 5 tpy
	NSPS Subpart D – Fossil-Fuel-Fired Steam Generators 40 CFR 60.40	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr. [40 CFR 60.40(a)]	Furnace constructed in 1982. Furnace heat input rate is 7.6 MM BTU/hr
	NSPS Subpart Db – Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40b	DOES NOT APPLY. The furnace was constructed prior to the applicability date of June 19, 1984. [40 CFR 60.40b(a)]	Furnace constructed in 1982. Furnace heat input rate is 7.6 MM BTU/hr
	NSPS Subpart Dc – Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40c	DOES NOT APPLY. The furnace was constructed prior to the applicability date of June 9, 1989. [40 CFR 60.40c(a)]	Furnace constructed in 1982. Furnace heat input rate is 7.6 MM BTU/hr
EOT 111 XD 101 A/B/C Reactor Effluent Separator Vent (Alkylation Reactors)	Waste Gas Disposal LAC 33:III.2115 Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. This vent does not emit VOC. DOES NOT APPLY. This vent does not emit VOC.	The alkylation reactors XD 101A/B/C vent to the boilers. During startup, reactors vent to flare GQ 001 (144 hours per year). When regenerating catalyst, reactors vent to the atmosphere and vent CO only. Regenerating is every other week.
	NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	DOES NOT APPLY. Units meet the definition of a reactor.	

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT 111 XD 101 A/B/C Reactor Effluent Separator Vent (Alkylation Reactors) (Continued)	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700	EXEMPT. Reactors XD 101A/B were constructed prior to applicability date of June 29, 1990.	NSPS Sub RRR applies to new reactor XD 101C. Reactors meet the definition of a reactor process due to overhead hydrogen stream
EQT 112 PE 005 Vacuum System (T 10) Vent	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	
	Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations LAC 33:III.2147	EXEMPT. Subject to the Hazardous Organic NESHAP (HON). (LAC 33:III.2147.A.2.g)	
	NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	EXEMPT. No construction, modification, or reconstruction after 12/30/83.	
	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700	DOES NOT APPLY. Source does not meet the definition of a reactor process. (40 CFR 60.701)	
	NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	DOES NOT APPLY. Source does not meet the definition of a distillation operation. (40 CFR 60.661)	
EQT 23.24 E HTWLL, W HTWLL East and West Hotwell Vents	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700	DOES NOT APPLY. Source does not meet the definition of a reactor process. (40 CFR 60.701)	
EQT 113 PE 301 Vacuum System Vent	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The vent stream from the individual sources serviced by this control system contains less than 100 lbs of VOC in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	This vent services four distillation columns from the SCP unit (AT 302, AT 303, AT 304 and AT 305)
	Limiting VOC Emissions from SOCM I Reactor Processes and Distillation Operations LAC 33:III.2147	EXEMPT. Subject to the Hazardous Organic NESHAP (HON). (LAC 33:III.2147.A.2.g)	Applies to AT 302 and AT 303 when separating benzene and toluene
	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700	DOES NOT APPLY. Source does not meet the definition of a reactor process. (40 CFR 60.701)	

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EQ114.115 PE 302, SCP HTWLL Vacuum System Vent and SCP Hotwell Vent	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The vent stream from the individual sources serviced by this control system contains less than 100 lbs of VOC in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	PE 302 services three distillation columns from the SCP unit (AT 301, AT 305 & AT 307)
	Limiting VOC Emissions from SOCOMI Reactor Processes and Distillation Operations LAC 33:III.2147	DOES NOT APPLY. The SCP unit does not produce any of the products listed in LAC 33:III.2199.Appendix A, Table 8 (SOCMI Chemicals)	SCP produces Divinyl Benzene
	Comprehensive Toxic Air Pollutant (TAP) Emission Control Program LAC 33:III.5109	DOES NOT APPLY. PE 302 does not emit any TAP.	LAC 33:III.5109 is applicable only to SCP HTWLL
	NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	EXEMPT. Distillation columns were constructed prior to applicability date of December 30, 1983.	Equipment installed in 1960
	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700	DOES NOT APPLY. Source does not meet the definition of a reactor process. (40 CFR 60.701)	
	NESHAP (HON) Subpart G for Process Vents 40 CFR 63.113	DOES NOT APPLY. Not part of a chemical manufacturing process unit regulated under the HON. [40 CFR 63.100(i)(1)]	SCP produces Divinyl Benzene
EQ190 COOL TWR Cooling Tower	NESHAP (MON) Subpart FFFF for Heat Exchange Systems 40 CFR 63.2490	EXEMPT. The heat exchange system is operated with the minimum pressure on the cooling water side at least 35 kPa (5.1 psia) greater than the maximum pressure on the process side.	
EQ14.5.6.3.109.110 MD 008N, MD 011A, MD 014, MD 017, MD 019, MD 020 Surge Control Vessels	Storage of Volatile Organic Compounds LAC 33:III.2103	EXEMPT. Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia	Tank capacities range from 1,990 to 19,729 gals Tanks vent to flare GQ 001
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	

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EOT 4.5.6.3.109.110 MD 008N, MD 011A, MD 014, MD 017, MD 019, MD 020 Surge Control Vessels (Continued)	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984). Also, tanks capacity < 75 m ³ (20,000 gals).	Tanks were constructed in 1953
EOT 7.8 MD 394, MD 395 Ethylbenzene Feed Drum and Isobutylene Tank	NESHAP (HON) Subpart H for Surge Control Vessels and Bottom Receivers 40 CFR 63.170	DOES NOT APPLY. The capacity of each vessel is < 75 m ³ (20,000 gals). (40 CFR 63.170, Sub H Table 2)	
	Storage of Volatile Organic Compounds LAC 33-III.2103	EXEMPT. MD 394: Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia. MD 395: Vapor pressure of liquid stored > 1.5 psia. However, tank is a pressure tank.	Tank capacities: MD 394 = 1,500 gals MD 395 = 12,000 gals Tanks vent to flare GQ001
	Comprehensive Toxic Air Pollutant (TAP) Emission Control Program LAC 33-III.5109	DOES NOT APPLY. MD 395 does not emit any TAP.	LAC 33-III.5109 applies only to MD 394
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tank capacity < 75 m ³ (20,000 gals).	Tanks were constructed in 2003
NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.119	DOES NOT APPLY. TBEB is not regulated under the HON. [40 CFR 63.100(b)]		TBEB - tertiary butyl ethylbenzene
	NESHAP (MON) Subpart FFFF for Storage Vessels 40 CFR 63.2550	EXEMPT. MD 395 is a pressure tank.	MON applies only to MD 394

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XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT 83 GQ 001 Flare System	Smoke from Flaring LAC 33:III.1105.A Emissions Limits LAC 33:III.1311.B Emission Standards for Sulfur Dioxide LAC 33:III.1502 Waste Gas Disposal LAC 33:III.2115 NSPS Subpart VV—Standards of Performance for Equipment Leaks of VOC in SOCM I 40 CFR 60.480 NSPS Subpart RRR – Reactor Processes 40 CFR 60.700 NSPS Subpart RRR – Reactor Processes 40 CFR 60.703 NESHAP Subpart FF – National Emission Standard for Benzene Waste Operations 40 CFR 61.342	<p>DOES NOT APPLY. Flare is not used in connection with pressure relief valve releases for control over process upsets.</p> <p>DOES NOT APPLY. The flare combusts gaseous fuels only. Gaseous fuels are not included in the definition of "Process Weight". (LAC 33:III.1111)</p> <p>DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)</p> <p>EXEMPT. The vent stream from the individual sources serviced by this control system contains less than 100 lbs of VOC in any continuous 24-hour period. (LAC 33:III.2115.H.i.c)</p> <p>DOES NOT APPLY. No pressure relief valves vent to flare.</p> <p>EXEMPT. Reactors were constructed prior to applicability date of June 29, 1990, except DH5. However, DH5 is a Group 1 process vent and is required to comply only with the HON. [40 CFR 63.110(d)(7)].</p> <p>EXEMPT. A flow indicator is not required when new reactor XD 101C vents to flare, since the bypass line valve is secured in the closed position as specified in 60.703(b)(2)(ii).</p> <p>DOES NOT APPLY. No benzene operations that require control. Total annual benzene quantity from facility waste is less than 10 Mg/yr. [40 CFR 61.342(a)]</p>	<p>No pressure relief valves vented to flare</p> <p>Process vent streams routed to flare: Distillation columns T 102, T 105, T 106, T 5, T 5A & T 6A (startup). AT 304 will vent to flare when making TBEB. Alkylation Reactors XD 101 A/B/C (startup). Dehydro reactors DH303 & DH1 (all year), DH4 & DH5 (startup or malfunction). NSPS Sub RRR applies to Flare when new reactor XD 101C vents to it during startup</p>

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EOT 34 HF 303 Dehydro Furnace	Emission Standards for Sulfur Dioxide LAC 33:III.1502	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Furnace is < 5 tpy
	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY. The unit burns natural gas. No waste gas streams enter the unit.	
	NSPS Subpart D - Fossil-Fuel-Fired Steam Generators 40 CFR 60.40	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr. [40 CFR 60.40(a)]	Furnace modified in 1997 Furnace heat input rate is 7.6 MM BTU/hr
	NSPS Subpart Db - Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40b	DOES NOT APPLY. The heat input rate is < 100 MM BTU/hr. [40 CFR 60.40b(a)]	Furnace modified in 1997 Furnace heat input rate is 7.6 MM BTU/hr
	NSPS Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40c	DOES NOT APPLY. The heat input rate is < 10 MM BTU/hr. [40 CFR 60.40c(a)]	Furnace modified in 1997 Furnace heat input rate is 7.6 MM BTU/hr
	Emission Standards for Sulfur Dioxide LAC 33:III.1502	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Furnace is < 5 tpy
EOT 35 HF 001 Dehydro Furnace	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY. The unit burns natural gas. No waste gas streams enter the unit.	
	NSPS Subpart D - Fossil-Fuel-Fired Steam Generators 40 CFR 60.40	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr. [40 CFR 60.40(a)]	Furnace constructed in 1967. Furnace heat input rate is 33.0 MM BTU/hr
	NSPS Subpart Db - Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40b	DOES NOT APPLY. The heat input rate is < 100 MM BTU/hr. [40 CFR 60.40b(a)]	Furnace constructed in 1967. Furnace heat input rate is 33.0 MM BTU/hr
	NSPS Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40c	DOES NOT APPLY. The furnace was constructed prior to the applicability date of June 9, 1989 and has not been modified. [40 CFR 60.40c(a)]	Furnace constructed in 1967. Furnace heat input rate is 33.0 MM BTU/hr

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XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Requirement	Exemption/Non-Applicability	Notes
EOT 86.82 HF 004, HF 005 Dehydro Furnaces	Emission Standards for Sulfur Dioxide LAC 33:III.1502	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Furnaces are < 5 tpy
	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The vent stream from the individual sources serviced by this control system contains less than 100 lbs of VOC in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Reactors DH4 and DH5 are routed to these furnaces
	NSPS Subpart D – Fossil-Fuel-Fired Steam Generators 40 CFR 60.40	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr. [40 CFR 60.40(a)]	Construction dates: HF 004: 1963 HF 005: 1997
	NSPS Subpart Db – Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40b	DOES NOT APPLY. The heat input rate is < 100 MM BTU/hr. [40 CFR 60.40b(a)]	Heat Input Rates: HF 004: 33.0 MMBtu/hr HF 005: 47.8 MMBtu/hr
	NSPS Subpart RRR – Reactor Processes 40 CFR 60.700	EXEMPT. DH4 was constructed prior to applicability date of June 29, 1990. DH5 was constructed after applicability date; however, DH5 is a Group 1 process vent and is required to comply only with the HON. [40 CFR 63.110(d)(7)]	Reactors DH4 and DH5 are routed to these furnaces
BOILER CAP EOT 80.79.82 HB 507, HB 512, HB 513 Boilers	NESHAP (HON) Subpart G for Process Vents 40 CFR 63.114 and 116	EXEMPT. Process vent streams are introduced with the primary fuel. Therefore, the furnaces are exempt from monitoring and performance testing per 63.114(a)(3) and 116(b)(2).	Furnaces are control devices for Group 1 vent streams DH4 and DH5
	Boiler Emissions Cap includes Emission Points HB 507, HB 512 and HB 513		
	Emission Standards for Sulfur Dioxide LAC 33:III.1503	EXEMPT. Single point sources that emit or have the potential to emit < 250 tpy may be exempted. (LAC 33:III.1503.C)	Boilers HB 507 & HB 512 < 250 tpy
	Waste Gas Disposal LAC 33:III.2115	DOES NOT APPLY. Single point source emits or has the potential to emit < 5 tpy of sulfur dioxide. (LAC 33:III.1502.A.3)	Boiler HB 513 < 5 tpy
	Control of Emissions of Nitrogen Oxides LAC 33:III.2201	EXEMPT. The vent stream from the individual sources serviced by this control system contains less than 100 lbs of VOC in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Streams routed to boilers: Reactors XD 101A/B/C; Towers T 102, T 105, T 106, T 5, T 5A, T 6A
NSPS Subpart D – Fossil-Fuel-Fired Steam Generators 40 CFR 60.40	EXEMPT. HB 507 is exempt from Chapter 22 since boiler capacity is less than 40 MM Btu/hr. (LAC 33:III.2201.C.1)	LAC 33:III.2201 applies to HB 512 & HB 513	
	DOES NOT APPLY. The heat input rate is < 250 MM BTU/hr. [40 CFR 60.40(a)]	HB 507: 27.1 MMBtu/hr HB 512: 157 MM Btu/hr HB 513: 132 MM Btu/hr	

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EOT 80.79.82 HB 507, HB 512, HB 513 Boilers (Continued)	NSPS Subpart Db - Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40b	DOES NOT APPLY. The boilers were constructed prior to the applicability date of June 19, 1984. [40 CFR 60.40b(a)]	Boilers were constructed between 1959 and 1973
	NSPS Subpart Dc - Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR 60.40c	DOES NOT APPLY. The boilers were constructed prior to the applicability date of June 9, 1989. [40 CFR 60.40c(a)]	Boilers were constructed between 1959 and 1973
	NSPS Subpart RRR - Reactor Processes 40 CFR 60.703 and 704	EXEMPT. Process vent stream is introduced with the primary fuel. Therefore, the boilers are exempt from monitoring and performance testing per 60.703(c)(2) and 704(b)(5)(ii). Also, a flow indicator is not required since the bypass line valve is secured in the closed position as specified in 60.703(c)(1)(ii).	Boilers are the control device for new reactor XD 101C.
TANK CAP	Tank Emissions Cap includes Emission Points MV 802, MV 803, MV 804, MV 806, MV 807, MV 812, MV 813, MV 814, MV 815, MV 816, MV 818	MD 074, MF 126, MF 206, MS 112, MV 320, MV 330, MV 332, MV 340, MV 801, MV 809, MV 810, MV 812, MV 813, MV 814, MV 815, MV 816, MV 818	
EOT 59.103 MD 074, MF 206 Polymer Tars / Fuel Oil Storage Tanks	Storage of Volatile Organic Compounds LAC 33:III.2103	EXEMPT. MD 074: Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia. MF 206: Tank capacity > 40,000 gals. However, vapor pressure of liquid stored < 1.5 psia.	Tank capacities: MD 074 = 10,000 gals MF 206 = 88,000 gals
	Comprehensive Toxic Air Pollutant (TAP) Emission Control Program LAC 33:III.5109	DOES NOT APPLY. These tanks do not store any TAPs.	
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984)	MD 074 was constructed in 1978. MF 206 was constructed in 1969
	NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.119	DOES NOT APPLY. These tanks do not store any OHAPs.	

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EOT 74.73.60 thru 72.108 MF 126, MS 112, MV 801, MV 802, MV 803, MV 804, MV 806, MV 807, MV 809, MV 810, MV 812 (vents thru vent scrubber MV 816), MV 813, MV 814, MV 815, MV 816, MV 818 Storage Tanks	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	EXEMPT. Tank capacity > 40,000 gals (only MS 112 < 40,000 gals). However, vapor pressure of liquid stored < 1.5 psia. DOES NOT APPLY. Tanks do not store Petroleum Liquids. DOES NOT APPLY. Tanks do not store Petroleum Liquids.	Tank capacities range from 22,298 to 3,371,000 gals
EOT 75.76.72 MV 320, MV 330, MV 340 Monomer Storage Tanks	Storage of Volatile Organic Compounds LAC 33:III.2103 Comprehensive Toxic Air Pollutant (TAP) Emission Control Program LAC 33:III.5109 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. All tanks constructed prior to applicability date (July 23, 1984), except MV 818. However, vapor pressure of liquid stored in MV 818 < 0.5 psia. EXEMPT. MV 320 and MV 330: Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia. MV 340: Tank capacity > 40,000 gals. However, vapor pressure of liquid stored < 1.5 psia. DOES NOT APPLY. These tanks do not store any TAPs. DOES NOT APPLY. Tanks do not store Petroleum Liquids. DOES NOT APPLY. Tanks do not store Petroleum Liquids.	Tanks were constructed between 1953 and 1973, MV 818 will be constructed Tank capacities: MV 320 = 23,793 gals MV 330 = 23,793 gals MV 340 = 56,398 gals

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EOL7s.76.77 MV 320, MV 330, MV 340 Monomer Storage Tanks (Continued)	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.119 NESHAP (MON) Subpart FFFF for Storage Vessels 40 CFR 63.2550	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984). No reconstruction or modification. DOES NOT APPLY. Not part of a chemical manufacturing process unit regulated under the HON. [40 CFR 63.100(g)(1)] EXEMPT. Tanks do not store any HAPs.	Tanks were constructed between 1963 and 1970 SCP produces Divinyl Benzene
EOL7s MV 332 Aromatic Byproducts Storage Tank	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	EXEMPT. Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia DOES NOT APPLY. Tank does not store Petroleum Liquids. DOES NOT APPLY. Tank does not store Petroleum Liquids.	Tank capacity = 10,575 gals
IFR CAP EOL5s.56.57 MV 808, MV 811, MV 817 Aromatic Lights, Toluene/Benzene, Ethylbenzene Storage Tanks	Internal Floating Roof Cap includes Emission Points MV 808, MV 811 and MV 817 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tank constructed prior to applicability date (July 23, 1984). No reconstruction or modification. DOES NOT APPLY. Tanks do not store Petroleum Liquids.	Tank was constructed in 1963 Tank capacities: MV 808 = 108,928 gals MV 811 = 845,968 gals MV 817 = 846,000 gals

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ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT 55.56.57 MV 808, MV 811, MV 817 Aromatic Lights, Toluene/Benzene, Ethylbenzene Storage Tanks (Continued)	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b NESHAP Subpart Y - National Emission Standard for Benzene Emissions From Benzene Storage Vessels 40 CFR 61.270	DOES NOT APPLY. Tanks do not store Petroleum Liquids. EXEMPT. Storage vessels subject to Kb and the HON. Tanks are Group 1 storage vessels and are required to comply only with the HON. [40 CFR 63.110(b)(1)] EXEMPT. Storage vessels subject to Subpart Y and the HON. Tanks are Group 1 storage vessels and are required to comply only with the HON. [40 CFR 63.110(b)(2)]	
LOAD CAP	Loading Cap includes Emission Points AS BL and AS LR		
EQT 88 AS BL Barge Loading	Control of Emission of Organic Compounds - Marine Vapor Recovery LAC 33:III.2108 NESHAP Subpart BB - Benzene Transfer Operations 40 CFR 61.300 NESHAP (HON) Subpart G for Transfer Operations 40 CFR 63.126 NESHAP Subpart Y for Marine Tank Vessel Loading Operations 40 CFR 63.560	DOES NOT APPLY. Uncontrolled emissions of VOC less than 100 tons/year. Also, vapor pressure of material loaded into barges is less than 1.5 psia at the loading temperature. DOES NOT APPLY. Benzene is not loaded at this facility. DOES NOT APPLY. Applies only to tank trucks and railcars per definition in 40 CFR 63.101. EXEMPT. Loading operation with vapor pressure less than 1.5 psia at standard conditions. [40 CFR 63.560(d)(1)]	
EQT 89 AS LR Loading Racks	Control of Emission of Organic Compounds - Volatile Organic Compounds - Loading LAC 33:III.2107 NESHAP Subpart BB - Benzene Transfer Operations 40 CFR 61.300	DOES NOT APPLY. Vapor pressure of material loaded is less than 1.5 psia at the loading conditions. DOES NOT APPLY. Benzene is not loaded at this facility.	

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MS CAP	MS Drums Cap includes Emission Points MD 004N, MD 005, MD 005A, MD 005B, MD 006, MD 006A, MD 008A, MD 012, MD 013, MD 015, MD 016, MD 017A, MD 017B, MD 018, MD 019A, MD 019B, MD 019C, MD 019D, MD 019E, MD 020A, MD 020B, MD 020C, MD 020D, MD 020E, MD 023, MD 060, MD 075, MD 079		
EQT 25, 26, 27, 28, 35, 36, 33, 14, 2, 29, 10, 37, 15, 11, 30, 12, 38, 31, 39, 40	Storage of Volatile Organic Compounds LAC 33:III 2103	EXEMPT. Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia	Tank capacities range from 1,190 to 19,830 gals except MD 075 & MD 079 (214 gals each)
MD 004N, MD 005, MD 006, MD 006A, MD 015, MD 016, MD 017A, MD 019A, MD 019B, MD 019C, MD 019D, MD 019E, MD 020A, MD 020B, MD 020C, MD 020D, MD 020E, MD 023, MD 075, MD 079	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
MD 020D, MD 020E, MD 023, MD 075, MD 079	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
Surge Control Vessels and Bottom Receivers	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984). Also, tanks capacity < 75 m ³ (20,000 gals).	Tanks were constructed between 1953 and 1960, except MD 075 & MD 079 were constructed in 1983
EQT 16, 17 MD 012, MD 013 Inhibitor Drums	NESHAP (HON) Subpart H for Surge Control Vessels and Bottom Receivers 40 CFR 63.170	DOES NOT APPLY. The capacity of each vessel is < 75 m ³ (20,000 gals). (40 CFR 63.170, Sub H Table 2)	Vapor pressure < 13.1 kPa (1.9 psia)
	Storage of Volatile Organic Compounds LAC 33:III 2103	EXEMPT. Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia	Tank capacities: MD 012 = 1,000 gals MD 013 = 5,500 gals
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	

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EQT 16.17 MD 012, MD 013 Inhibitor Drums (Continued)	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984)	Tanks were constructed in 1953 and 1954
	NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.119	DOES NOT APPLY. Tank capacity < 38 m ³ (10,070 gallons). (40 CFR 63.101)	
EQT 1.2, 32, 34, 13, 18 MD 005A, MD 005B, MD 008A, MD 017B, MD 018, MD 060 Surge Control Vessels and Bottom Receivers	Storage of Volatile Organic Compounds LAC 33:III 2103	EXEMPT. Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia	Tank capacities range from 24,290 to 26,247 gals
	NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984)	Tanks were constructed in between 1953 and 1955, except MD 060 was constructed in 1978
	NESHAP (HON) Subpart H for Surge Control Vessels and Bottom Receivers 40 CFR 63.170	DOES NOT APPLY. Vessel capacities range from 75 to 151 m ³ (20,000 - 40,000 gals). However, vapor pressure < 13.1 kPa (1.9 psia). (40 CFR 63.170, Sub H Table 2)	

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SCP CAP	SCP Drums Cap includes Emission Points MD 321, MD 325, MD 326, MD 327, MD 340, MD 341, MD 359, MD 360, MD 360A, MD 361, MD 362, MD 363, MD 364, MD 366	Tank capacities range from 312 to 20,464 gals
EQT 41 thru 54 MD 321, MD 325, MD 326, MD 327, MD 340, MD 341, MD 359, MD 360, MD 360A, MD 361, MD 362, MD 363, MD 364, MD 366 Storage Tanks	Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.1110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	EXEMPT. Tank capacity > 250 and < 40,000 gals. However, vapor pressure < 1.5 psia DOES NOT APPLY. Tanks do not store Petroleum Liquids. DOES NOT APPLY. Tanks do not store Petroleum Liquids.
WWT	NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.1119 Wastewater Treatment System includes Emission Points MS 404, MS 405, MS 406, MS 407, MS 412, MS 413, MS 416	Tanks were constructed between 1953 and 1970, except MD 366 was constructed in 1989 SCP produces Divinyl Benzene
EQT 24 thru 100 MS 404, MS 405, MS 406, MS 407, MS 412, MS 413, MS 416 Biotreatment Feed Tanks	Storage of Volatile Organic Compounds LAC 33:III.2103 Limiting VOC Emissions from Industrial Wastewater LAC 33:III.2153 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110	EXEMPT. Tank capacity > 250 and < 40,000 gals, except MS 416 > 40,000 gals. However, vapor pressure < 1.5 psia. DOES NOT APPLY. Wastewater stream does not meet definition of affected volatile organic compound (VOC) wastewater as per LAC 33:III.2153.A DOES NOT APPLY. Tanks do not store Petroleum Liquids.

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EQT 94 thru 100 MS 404, MS 405, MS 406, MS 407, MS 412, MS 413, MS 416 Biotreatment Feed Tanks (Continued)	NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a	DOES NOT APPLY. Tanks do not store Petroleum Liquids.	
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b	DOES NOT APPLY. Tanks constructed prior to applicability date (July 23, 1984). No reconstruction or modification.	Tanks were constructed in 1977
EQT 116, 117, 118 DH1, DH4, DH5 Dehydrogenation Reactors	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Group 1 process vents. DH4 and DH5 normally vent to HF 004 and HF 005 respectively. DH4 and DH5 vent to flare GQ 001 only during startup or malfunction. DH1 vents only to the flare
	Limiting VOC Emissions from SOCFMI Reactor Processes and Distillation Operations LAC 33:III.2147	EXEMPT. Subject to the Hazardous Organic NESHAP (HON). (LAC 33:III.2147.A.2.g)	
EQT 119 DH303 Dehydrogenation Reactor	NSPS Subpart RRR - Reactor Processes 40 CFR 60.700	EXEMPT. Reactors were constructed prior to applicability date of June 29, 1990, except DH5. However, DH5 is a Group 1 process vent and is required to comply only with the HON. [40 CFR 63.110(c)(7)]	
	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	Group 1 process vent. DH303 vents only to flare GQ 001
	Limiting VOC Emissions from SOCFMI Reactor Processes and Distillation Operations LAC 33:III.2147	EXEMPT. Subject to the Miscellaneous Organic NESHAP (MON). (LAC 33:III.2147.A.2.g)	
	NSPS Subpart RRR - Reactor Processes 40 CFR 60.700	EXEMPT. Reactor was constructed prior to applicability date of June 29, 1990.	

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XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Requirement	Exemption/Non-Applicability	Notes
EOT 120 thru 129 T 8, T 9, T 9B, T 9C, T 9D, T 10, T 10A, T 10B, T 10C, T 11E Distillation Towers	Waste Gas Disposal LAC 33:III.2115 NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c) EXEMPT. Process vents are required to comply only with the HON for continuous monitoring of recovery device operating parameters and the associated testing, reporting and recordkeeping. [63.110(d)(5)(ii)(C)]	Distillation columns vent to PE 01 Distillation columns TRE > 1.0 < = 4.0 except Column T 10 (TRE > 4.0). T 10 can vent either to PE 01 or PE 005.
EOT 130 thru 135 T 102, T 105, T 106, T 5, T 5A, T 6A Distillation Towers	Waste Gas Disposal LAC 33:III.2115 NSPS Subpart NNN – Distillation Operations 40 CFR 60.660	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c) EXEMPT. Distillation columns were constructed prior to applicability date of December 30, 1983.	Columns vent to boilers Columns vent to flare only during startup Equipment installed in 1960
EOT 137 thru 140 AT 302, AT 303, AT 304, AT 305 Distillation Towers	Waste Gas Disposal LAC 33:III.2115 NSPS Subpart NNN – Distillation Operations 40 CFR 60.660 NESHAP (HON) Subpart G for Process Vents 40 CFR 63.113	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c) EXEMPT. Only AT 305 is exempt since tower will not be modified. DOES NOT APPLY. HON does not apply when producing DVB or TBS. [40 CFR 63.100(b)]	Distillation columns vent to PE 301 AT 305 can vent either to PE 301 or PE 302 AT 304 will vent to flare when making TBEB
EOT 136, 140, 141 AT 301, AT 305, AT 307 Distillation Towers	Waste Gas Disposal LAC 33:III.2115 Comprehensive Toxic Air Pollutant (TAP) Emission Control Program LAC 33:III.5109 NSPS Subpart NNN – Distillation Operations 40 CFR 60.660 NESHAP (HON) Subpart G for Process Vents 40 CFR 63.113	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c) DOES NOT APPLY. These columns do not emit any TAPs. EXEMPT. Distillation columns were constructed prior to applicability date of December 30, 1983. DOES NOT APPLY. Not part of a chemical manufacturing process unit regulated under the HON. [40 CFR 63.100(i)(1)]	Distillation columns vent to PE 302 AT 305 can vent either to PE 301 or PE 302 Equipment installed in 1960 SCP produces Divinyl Benzene

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XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Requirement	Exemption/Non-Applicability	Notes
EQT 139 AT 304 Lights Column (when making TBEB)	Waste Gas Disposal LAC 33:III.2115	EXEMPT. The waste stream has a combined weight of VOC less than 100 lbs in any continuous 24-hour period. (LAC 33:III.2115.H.1.c)	AT 304 will vent to flare when making TBEB
EQT 142 thru 145 1-07, 2-07, 3-07, 4-07 Diesel Engines	NESHAP (HON) Subpart G for Process Vents 40 CFR 63.113 Emissions from Fuel Burning Equipment LAC 33:III.1313 Emission Standards for Sulfur Dioxide LAC 33:III.1503	DOES NOT APPLY. TBEB is not regulated under the HON. [40 CFR 63.100(b)] DOES NOT APPLY. These sources primary purpose is not indirect heating. (LAC 33:III.1313.B) EXEMPT. Discharge gases shall not exceed 2000 ppmv for 3-hr average. Single point sources that emit or have the potential to emit < 250 tpy may be exempted. (LAC 33:III.1503.C)	TBEB - tertiary butyl ethylbenzene Engines emit < 250 tpy
EQT 146, 147 MD 547, MD 596 Sulfuric Acid Tanks	Control of Emissions of Nitrogen Oxides LAC 33:III.2201 NSPS Subpart III for Stationary Compression Ignition Internal Engines 40 CFR 60.4200 Storage of Volatile Organic Compounds LAC 33:III.2103 NSPS Subpart K - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110 NSPS Subpart Ka - Standards of Performance for Storage Vessels for Petroleum Liquids 40 CFR 60.110a NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels 40 CFR 60.110b NESHAP (HON) Subpart G for Storage Vessels 40 CFR 63.119	EXEMPT. Diesel engines used during state of emergency. (LAC 33:III.2201.C.5.e) EXEMPT. Engines manufactured prior to April 1, 2006. [40 CFR 60.4200(a)(2)(i)] DOES NOT APPLY. Tank does not store any volatile organic compound. DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. This tank does not store Petroleum Liquids. DOES NOT APPLY. This tank does not store a volatile organic liquid (VOL). DOES NOT APPLY. This tank does not store an organic hazardous air pollutant (OHAP).	Tank capacities: MD 547 = 5,080 gals MD 596 = 2,000 gals

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XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Requirement	Exemption/Non-Applicability	Notes
Vapor Degreasers	Vapor Degreasers LAC 33:III.2125	EXEMPT. Vapor degreaser emits less than 100 lbs (45 kg) of VOC in any consecutive 24-hour period. Total emissions from all the vapor degreasers at the facility combined are less than 100 tons/year of VOC, uncontrolled. (LAC 33:III.2125.D)	
	NESHAP Subpart T for Halogenated Solvent Cleaning 40 CFR 63.460	DOES NOT APPLY. No halogenated HAP solvent is used. [40 CFR 63.460(a)]	
U-CFC Ozone Depleting Materials (ODM)	Clean Air Act Section 608	Effective 7/1/92, Class I or Class II refrigerants used in appliances or industrial process refrigeration systems may not be knowingly vented, releases, or disposed in a manner that allows them to enter the environment. De minimus releases, however, associated with good faith attempts to recover or safely dispose of these refrigerants are not prohibited. (CAA Section 608)	
	Nonessential Products Ban: Class I Ozone Depleting Substances 40 CFR 82 Subpart C	EXEMPT. This regulation applies to the seller and distributor of nonessential products containing Class I substances. (40 CFR 82.64)	Deltech is a commercial purchaser.
	Labeling for Ozone Depleting Substances 40 CFR 82 Subpart E	Containers and products meeting the applicability criteria shall be labeled with specific warning statements prior to shipment, effective: 1) 5/15/93 for containers containing Class I or Class II substances. 2) 5/15/93 for products containing or manufactured with Class I substances. 3) January 1, 2015 for products containing or manufactured with Class II substances (40 CFR 82.106)	Few containers will be shipped from Deltech that contain Class I or Class II substances, and that those that do occur will generally be wastes or recyclable materials. An example would include waste 1,1,1-trichloroethane. Recycled materials will be handled by trained technicians in accordance with the requirements.

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ATTACHMENT A

Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (Methyl Styrene Unit & Styrene Storage under the HON, Specialty Chemical Process Unit under the LA Non-HON prior to May 10, 2008 and under the MON effective May 10, 2008) shall be monitored as required by the most stringent requirements of any other program being streamlined and shall not be exempted. The streamlined program shall include any exemptions based on size of component available in any of the programs being streamlined.
- b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted by January 25 and July 25, to cover the periods July 1 through December 31 and January 1 through June 30, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
Methyl Styrene Unit (MS)	40 CFR 63 Sub H - HON LAC 33:III.2122 40 CFR 60 Sub VV 40 CFR 61 Sub J & V	5% VOHAP 10% VOC 10% VOC 10% Benzene	40 CFR 63 Subpart H -HON
Specialty Chemical Process Unit (SCP)	40 CFR 63 Sub FFFF - MON LA Non-HON LAC 33:III.2122 40 CFR 60 Sub VV	5% VOHAP 5% VOTAP 10% VOC 10% VOC	40 CFR 63 Subpart FFFF-MON (40 CFR 63 Subpart H Option - effective May 10, 2008) LA Non-HON (prior to May 10, 2008)
Styrene Storage	40 CFR 63 Sub H - HON LAC 33:III.2122	5% VOHAP 10% VOC	40 CFR 63 Subpart H -HON

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 4, 2007. Additional information dated December 26, 2007 was also received.
- IV. This permit shall become invalid, for the sources not constructed, if:
- A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.
- The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
- This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 248 Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Also Known As:

ID	Name	User Group	Start Date
0840-00006	Deltech Corp - Baton Rouge Facility	CDS Number	08-05-2002
72-1131433	Federal Tax ID	Federal Tax ID	11-21-1999
LAD008188583	Deltech Corp	Hazardous Waste Notification	01-01-1970
CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
00036	Hoechst Cleanese Corp (former owner)	Inactive & Abandoned Sites	11-23-1999
	American Hoechst Corp Plant	Inactive & Abandoned Sites	11-23-1999
LA0000833	LPDES #	LPDES Permit #	05-22-2003
WP0165	WPC State Permit Number	LWDPS Permit #	06-25-2003
	CNA Holdings (new name for Hoechst)	Multimedia	07-01-2000
	Priority 2 Emergency Site	Priority 2 Emergency Site	07-19-2006
GD-033-1509	Deltech Corp	Solid Waste	01-08-2002
GD-033-1509	Industrial Waste Generator Site ID #	Solid Waste Facility No.	05-27-1993
1263	Hoechst Celanese Corp	TEMPO Merge	10-31-2000
1421	Deltech Corp	TEMPO Merge	11-04-2000
70807HCHST11911	TRI #	Toxic Release Inventory	07-09-2004

Physical Location:

11911 Scenic Hwy
 Baton Rouge, LA 70807

Main Phone: 2257750150

Mailing Address:

11911 Scenic Hwy
 Baton Rouge, LA 70807

Location of Front Gate:

30° 33' 10" 41 hundredths latitude, 91° 12' 1" 93 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Differential, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	2253583185 (WP)	Emission Inventory Contact for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	ENVIRONMENTAL@	Emission Inventory Contact for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	2253583185 (WP)	Solid Waste Billing Party for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	2253583185 (WP)	Haz. Waste Billing Party for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	ENVIRONMENTAL@	Accident Prevention Billing Party for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	2253583185 (WP)	Accident Prevention Billing Party for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	ENVIRONMENTAL@	Haz. Waste Billing Party for
Kelly Bergeron	PO Box 97875 Baton Rouge, LA 708747875	ENVIRONMENTAL@	Solid Waste Billing Party for
Eugene Fluharty	11911 Scenic Hwy Baton Rouge, LA 70807	efluhart@deltechco	Responsible Official for
Eugene Fluharty	11911 Scenic Hwy Baton Rouge, LA 70807	2257750150 (WP)	Air Billing Contact for
Eugene Fluharty	11911 Scenic Hwy Baton Rouge, LA 70807	2257750150 (WP)	Responsible Official for
Eugene Fluharty	11911 Scenic Hwy Baton Rouge, LA 70807	efluhart@deltechco	Air Permit Contact For

General Information

AI ID: 248 Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Eugene Fluharty	11911 Scenic Hwy Baton Rouge, LA 70807	2257750150 (WP)	Air Permit Contact For
	Eugene Fluharty	11911 Scenic Hwy Baton Rouge, LA 70807	efluhart@deltechco	Air Billing Contact for
	Timothy Kane	11911 Scenic Hwy Baton Rouge, LA 70807	2253583180 (WP)	Emission Inventory Contact for
	Timothy Kane	11911 Scenic Hwy Baton Rouge, LA 70807	tkane@deltechcorp.t	Emission Inventory Contact for
	Jim Wood		2257750150 (WP)	Underground Storage Tank Contact for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Deltech Corp	PO Box 97875 Baton Rouge, LA 708749875		Owns
	Deltech Corp	PO Box 97875 Baton Rouge, LA 708749875		Operates
	Deltech Corp	PO Box 97875 Baton Rouge, LA 708749875		UST Billing Party for
	Deltech Corp	PO Box 97875 Baton Rouge, LA 708749875		Emission Inventory Billing Party
	Deltech Corp	PO Box 97875 Baton Rouge, LA 708749875		Air Billing Party for
	Deltech Corp	11911 Scenic Hwy Baton Rouge, LA 70807		Water Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Deltech - Baton Rouge Facility						
EQT0001	MD 005A - Vent Scrubber Feed Drum	25117 gallons				8760 hr/yr (All Year)
EQT0002	MD 005B - Crude Monomer Drum	24290 gallons				8760 hr/yr (All Year)
EQT0003	MD 017 - Toluene Drum	19729 gallons				8760 hr/yr (All Year)
EQT0004	MD 008N - Recycle Alkylate Drum	5000 gallons				8760 hr/yr (All Year)
EQT0005	MD 011A - Byproduct Drum	1990 gallons				8760 hr/yr (All Year)
EQT0006	MD 014 - Recycle Alkylate Drum	5500 gallons				8760 hr/yr (All Year)
EQT0007	MD 394 - Ethylbenzene Feed Drum	1500 gallons				8760 hr/yr (All Year)
EQT0008	MD 395 - Isobutylene Tank	12000 gallons				8760 hr/yr (All Year)
EQT0009	MD 019B - Crude Monomer Drum	19729 gallons				8760 hr/yr (All Year)
EQT0010	MD 019D - Inhibitor and Monomer Drum	19729 gallons				8760 hr/yr (All Year)
EQT0011	MD 020B - Crude Monomer Drum	19729 gallons				8760 hr/yr (All Year)
EQT0012	MD 020D - Inhibitor and Monomer Drum	19729 gallons				8760 hr/yr (All Year)
EQT0013	MD 018 - Alkylation Feed Drum	26247 gallons				8760 hr/yr (All Year)
EQT0014	MD 019A - Crude Monomer Drum	19729 gallons				8760 hr/yr (All Year)
EQT0015	MD 020A - Crude Monomer Drum	19729 gallons				8760 hr/yr (All Year)
EQT0016	MD 012 - Inhibitor Drum	1000 gallons				8760 hr/yr (All Year)
EQT0017	MD 013 - Inhibitor and MS Drum	5500 gallons				8760 hr/yr (All Year)
EQT0018	MD 060 - Crude Monomer Drum	24290 gallons				8760 hr/yr (All Year)
EQT0019	MD 602 - Gasoline Drum	1023 gallons				8760 hr/yr (All Year)
EQT0020	AT 513 - Condensate Stripper Vent		3.5 SCFM			8760 hr/yr (All Year)
EQT0021	PE 01 - MS Vacuum Jet Vent		3 SCFM			8760 hr/yr (All Year)
EQT0022	XB 101 - Alkylation Furnace		7.6 MM BTU/hr			8760 hr/yr (All Year)
EQT0023	E HTWLL - East Hotwell Vent	412 gallons				8760 hr/yr (All Year)
EQT0024	W HTWLL - West Hotwell Vent	412 gallons				8760 hr/yr (All Year)
EQT0025	MD 004N - Crude Alkylate Drum	5300 gallons				8760 hr/yr (All Year)
EQT0026	MD 005 - Crude Monomer Drum	19830 gallons				8760 hr/yr (All Year)
EQT0027	MD 006 - Crude Alkylate Drum	5500 gallons				8760 hr/yr (All Year)
EQT0028	MD 006A - Crude Alkylate Drum	5500 gallons				8760 hr/yr (All Year)
EQT0029	MD 019C - Monomer Drum	19830 gallons				8760 hr/yr (All Year)
EQT0030	MD 020C - Monomer Drum	19830 gallons				8760 hr/yr (All Year)
EQT0031	MD 023 - Crude Monomer Drum	10040 gallons				8760 hr/yr (All Year)
EQT0032	MD 008A - Vent Scrubber Tank	24304 gallons				8760 hr/yr (All Year)
EQT0033	MD 017A - Crude Monomer Drum	19830 gallons				8760 hr/yr (All Year)
EQT0034	MD 017B - Crude Monomer Drum	24290 gallons				8760 hr/yr (All Year)
EQT0035	MD 015 - Inhibitor and Monomer Drum	1990 gallons				8760 hr/yr (All Year)
EQT0036	MD 016 - Inhibitor and Monomer Drum	1990 gallons				8760 hr/yr (All Year)
EQT0037	MD 019E - Monomer Drum	19830 gallons				8760 hr/yr (All Year)
EQT0038	MD 020E - Monomer Drum	19830 gallons				8760 hr/yr (All Year)
EQT0039	MD 075 - TBC and Monomer Drum	214 gallons				8760 hr/yr (All Year)
EQT0040	MD 079 - TBC and Monomer Drum	214 gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Deltech - Baton Rouge Facility						
EQT0041	MD 321 - Feed Drum	10116 gallons				8760 hr/yr (All Year)
EQT0042	MD 325 - Crude Monomer Drum	10116 gallons				8760 hr/yr (All Year)
EQT0043	MD 326 - Finished Monomer Day Drum	5499 gallons				8760 hr/yr (All Year)
EQT0044	MD 327 - Finished Monomer Day Drum	5499 gallons				8760 hr/yr (All Year)
EQT0045	MD 340 - Crude Monomer Drum	20464 gallons				8760 hr/yr (All Year)
EQT0046	MD 341 - Off-Spec Monomer Drum	10116 gallons				8760 hr/yr (All Year)
EQT0047	MD 359 - Crude Monomer Drum	1065 gallons				8760 hr/yr (All Year)
EQT0048	MD 360 - Crude Monomer Drum	10116 gallons				8760 hr/yr (All Year)
EQT0049	MD 360A - Monomer Return Drum	10116 gallons				8760 hr/yr (All Year)
EQT0050	MD 361 - Monomer Tar Drum	1963 gallons				8760 hr/yr (All Year)
EQT0051	MD 362 - Inhibitor Drum	5000 gallons				8760 hr/yr (All Year)
EQT0052	MD 363 - Crude Alkylate or Crude Monomer Drum	5345 gallons				8760 hr/yr (All Year)
EQT0053	MD 364 - Inhibitor Drum	5345 gallons				8760 hr/yr (All Year)
EQT0054	MD 366 - Crude Alkylate or Crude Monomer Drum	312 gallons				8760 hr/yr (All Year)
EQT0055	MV 808 - Aromatic Lightis Storage Tank	108928 gallons				8760 hr/yr (All Year)
EQT0056	MV 811 - Toluene/Benzene Storage Tank	845968 gallons				8760 hr/yr (All Year)
EQT0057	MV 817 - Ethylbenzene Tank	846000 gallons				8760 hr/yr (All Year)
EQT0059	MD 074 - Polymer Tars Tank	10000 gallons				8760 hr/yr (All Year)
EQT0060	MV 801 - Crude Styrene Tank	335645 gallons				8760 hr/yr (All Year)
EQT0061	MV 802 - EB or DIPB or DIPB Recycle or TBS Recycle Tank	587478 gallons				8760 hr/yr (All Year)
EQT0062	MV 803 - TBEB or DIPB or EB Tank	153332 gallons				8760 hr/yr (All Year)
EQT0063	MV 804 - Divinyl Benzene Tank	158857 gallons				8760 hr/yr (All Year)
EQT0064	MV 806 - MS or TBS or Styrene or DIPEB Tank	424453 gallons				8760 hr/yr (All Year)
EQT0065	MV 807 - Crude Monomer Tank	587478 gallons				8760 hr/yr (All Year)
EQT0066	MV 809 - MS or Styrene or 93% Styrene Tank	587478 gallons				8760 hr/yr (All Year)
EQT0067	MV 810 - ET Storage Tank	845600 gallons				8760 hr/yr (All Year)
EQT0068	MV 812 - ET Storage Tank	840000 gallons				8760 hr/yr (All Year)
EQT0069	MV 813 - MS Storage Tank	1.7 million gallons				8760 hr/yr (All Year)
EQT0070	MV 814 - MS or Styrene or Toluene Storage Tank	1.7 million gallons				8760 hr/yr (All Year)
EQT0071	MV 815 - Styrene Storage Tank	2.8 million gallons				8760 hr/yr (All Year)
EQT0072	MV 816 - Crude Styrene Tank Vent Scrubber	3.3 million gallons				8760 hr/yr (All Year)
EQT0073	MS 112 - Flux Oil Storage Tank	22298 gallons				8760 hr/yr (All Year)
EQT0074	MF 126 - PEB Storage Tank	126895 gallons				8760 hr/yr (All Year)
EQT0075	MV 320 - Monomer Storage Tank	23793 gallons				8760 hr/yr (All Year)
EQT0076	MV 330 - Monomer Storage Tank	23793 gallons				8760 hr/yr (All Year)
EQT0077	MV 340 - Monomer Storage Tank	56398 gallons				8760 hr/yr (All Year)
EQT0078	MV 332 - Aromatic Byproducts Storage Tank	10575 gallons				8760 hr/yr (All Year)
EQT0079	HB 512 - 170 M lb/hr Boiler		157 MM BTU/hr			8760 hr/yr (All Year)
EQT0080	HB 507 - 30 M lb/hr Boiler		27.1 MM BTU/hr			8760 hr/yr (All Year)
EQT0082	HB 513 - 170 M lb/hr Boiler		132 MM BTU/hr			8760 hr/yr (All Year)

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Deltech - Baton Rouge Facility						
EQ10083	GQ 001 - Flare System		20.67 MM BTU/hr			8760 hr/yr (All Year)
EQ10084	HF 303 - Dehydro Furnace		7.6 MM BTU/hr			8760 hr/yr (All Year)
EQ10085	HF 001 - Dehydro Furnace		33 MM BTU/hr			8760 hr/yr (All Year)
EQ10086	HF 004 - Dehydro Furnace		33 MM BTU/hr			8760 hr/yr (All Year)
EQ10087	HF 005 - Dehydro Furnace		47.8 MM BTU/hr			8760 hr/yr (All Year)
EQ10088	AS BL - Barge Loading		500 gallons/min			1050 hr/yr (All Year)
EQ10089	AS LR - Loading Racks		600 gallons/min			2600 hr/yr (All Year)
EQ10090	COOL TWR - Cooling Tower		24000 gallons/min			8760 hr/yr (All Year)
EQ10094	MS 404 - Biotreatment Feed Tank	40000 gallons				8760 hr/yr (All Year)
EQ10095	MS 405 - Biotreatment Feed Tank	20000 gallons				8760 hr/yr (All Year)
EQ10096	MS 406 - Biotreatment Feed Tank	40000 gallons				8760 hr/yr (All Year)
EQ10097	MS 407 - Biotreatment Feed Tank	20000 gallons				8760 hr/yr (All Year)
EQ10098	MS 412 - Biotreatment Feed Tank	20000 gallons				8760 hr/yr (All Year)
EQ10099	MS 413 - Biotreatment Feed Tank	20000 gallons				8760 hr/yr (All Year)
EQ10100	MS 416 - Biotreatment Tank	450000 gallons				8760 hr/yr (All Year)
EQ10103	MF 206 - Polymer Tars and Fuel Oil Tank	88000 gallons				8760 hr/yr (All Year)
EQ10108	MV 818 - Diethylbenzene Tank	846000 gallons				8760 hr/yr (All Year)
EQ10109	MD 019 - Byproduct Drum	7840 gallons				8760 hr/yr (All Year)
EQ10110	MD 020 - Byproduct Drum	7840 gallons				8760 hr/yr (All Year)
EQ10111	XD 101A/B/C - Reactor Effluent Separator (Alkylation Reactors)		4625 SCFM			8760 hr/yr (All Year)
EQ10112	PE 005 - Vacuum System (T 10) Vent		375 SCFM			8760 hr/yr (All Year)
EQ10113	PE 301 - Vacuum System Vent		210 SCFM			8760 hr/yr (All Year)
EQ10114	PE 302 - Vacuum System Vent		53 SCFM			8760 hr/yr (All Year)
EQ10115	SCP HTWLL - SCP Hotwell Vent		1 SCFM			8760 hr/yr (All Year)
EQ10116	DR1 - Dehydrogenation Reactor					8760 hr/yr (All Year)
EQ10117	DH4 - Dehydrogenation Reactor					8760 hr/yr (All Year)
EQ10118	DH5 - Dehydrogenation Reactor					8760 hr/yr (All Year)
EQ10119	DH303 - Dehydrogenation Reactor					8760 hr/yr (All Year)
EQ10120	T 8 - Distillation Tower					8760 hr/yr (All Year)
EQ10121	T 9 - Distillation Tower					8760 hr/yr (All Year)
EQ10122	T 9B - Distillation Tower					8760 hr/yr (All Year)
EQ10123	T 9C - Distillation Tower					8760 hr/yr (All Year)
EQ10124	T 9D - Distillation Tower					8760 hr/yr (All Year)
EQ10125	T 10 - Distillation Tower					8760 hr/yr (All Year)
EQ10126	T 10A - Distillation Tower					8760 hr/yr (All Year)
EQ10127	T 10B - Distillation Tower					8760 hr/yr (All Year)
EQ10128	T 10C - Distillation Tower					8760 hr/yr (All Year)
EQ10129	T 11E - Distillation Tower					8760 hr/yr (All Year)
EQ10130	T 102 - Distillation Tower					8760 hr/yr (All Year)
EQ10131	T 105 - Distillation Tower					8760 hr/yr (All Year)

INVENTORIES

AI ID: 248 - Delttech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Delttech - Baton Rouge Facility						
EQT0132	T 106 - Distillation Tower					8760 hr/yr (All Year)
EQT0133	T 5 - Distillation Tower					8760 hr/yr (All Year)
EQT0134	T 5A - Distillation Tower					8760 hr/yr (All Year)
EQT0135	T 6A - Distillation Tower					8760 hr/yr (All Year)
EQT0136	AT 301 - Distillation Tower					8760 hr/yr (All Year)
EQT0137	AT 302 - Distillation Tower					8760 hr/yr (All Year)
EQT0138	AT 303 - Distillation Tower					8760 hr/yr (All Year)
EQT0139	AT 304 - Distillation Tower					8760 hr/yr (All Year)
EQT0140	AT 305 - Distillation Tower					8760 hr/yr (All Year)
EQT0141	AT 307 - Distillation Tower					8760 hr/yr (All Year)
EQT0142	1-07 - Diesel Engine No. 5 Well		175 horsepower			100 hr/yr (All Year)
EQT0143	2-07 - Diesel Engine Pond		269 horsepower			100 hr/yr (All Year)
EQT0144	3-07 - Diesel Engine Shed by Pond		102 horsepower			100 hr/yr (All Year)
EQT0145	4-07 - Diesel Engine Generator		7.3 horsepower			500 hr/yr (All Year)
EQT0146	MD 547 - Powerhouse Sulfuric Acid Tank	5080 gallons				8760 hr/yr (All Year)
EQT0147	MD 596 - Cooling Tower Sulfuric Acid Tank	2000 gallons				8760 hr/yr (All Year)
FUG0001	AS F - Fugitives					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Delttech - Baton Rouge Facility							
EQT0001	MD 005A - Vent Scrubber Feed Drum	1	1	.5		20	75
EQT0002	MD 005B - Crude Monomer Drum	1	1	.17		24	75
EQT0003	MD 017 - Toluene Drum						
EQT0004	MD 008N - Recycle Alkylate Drum						
EQT0005	MD 011A - Byproduct Drum						
EQT0006	MD 014 - Recycle Alkylate Drum						
EQT0007	MD 394 - Ethylbenzene Feed Drum						
EQT0008	MD 395 - Isobutylene Tank						
EQT0009	MD 0198 - Crude Monomer Drum	1	1	.17		3	75
EQT0010	MD 019D - Inhibitor and Monomer Drum	1	1	.17		3	75
EQT0011	MD 0208 - Crude Monomer Drum	1	1	.17		3	75
EQT0012	MD 020D - Inhibitor and Monomer Drum	1	1	.5		15	75
EQT0013	MD 018 - Alkylation Feed Drum	1	1	.41		7	75
EQT0014	MD 019A - Crude Monomer Drum	1	1	.17		3	75
EQT0015	MD 020A - Crude Monomer Drum	1	1	.17		3	75

INVENTORIES

AI ID: 248 - Deitech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Deitech - Baton Rouge Facility							
EQT0016	MD 012 - Inhibitor Drum			.25		12	75
EQT0017	MD 013 - Inhibitor and MS Drum	1.6	8.3	.33		16	100
EQT0018	MD 060 - Crude Monomer Drum	1	1	.17		13	75
EQT0019	MD 602 - Gasoline Drum	9.6	13.4	.17		13	80
EQT0020	AT 513 - Condensate Stripper Vent	1.2	3.5	.25		20	75
EQT0021	PE 01 - MS Vacuum Jet Vent	1	3	.25		102	60
EQT0022	XB 101 - Alkylation Furnace	9.9	4205	2.5		91.5	1300
EQT0023	E HTWLL - East Hotwell Vent	1	.18	.17		12	78
EQT0024	W HTWLL - West Hotwell Vent	1	.18	.17		15	78
EQT0025	MD 004N - Crude Alkylate Drum	1.6	8.3	.33		23	100
EQT0026	MD 005 - Crude Monomer Drum	1	1	.17		23	75
EQT0027	MD 006 - Crude Alkylate Drum	1.6	8.3	.33		16	100
EQT0028	MD 006A - Crude Alkylate Drum	1.6	8.3	.33		16	100
EQT0029	MD 019C - Monomer Drum	1	1	.17		6	90
EQT0030	MD 020C - Monomer Drum	1	1	.17		6	90
EQT0031	MD 023 - Crude Monomer Drum	6.1	18.7	.25		15	100
EQT0032	MD 008A - Vent Scrubber Tank	1	1	.17		20	75
EQT0033	MD 017A - Crude Monomer Drum	1	1	.17		3	75
EQT0034	MD 017B - Crude Monomer Drum	1	1	.41		7	120
EQT0035	MD 015 - Inhibitor and Monomer Drum	3.4	4.5	.17		9	75
EQT0036	MD 016 - Inhibitor and Monomer Drum	3.4	4.5	.17		9	75
EQT0037	MD 019E - Monomer Drum	1	1	.17		6	90
EQT0038	MD 020E - Monomer Drum	1	1	.17		6	90
EQT0039	MD 075 - TBC and Monomer Drum	1	1	.17		6	75
EQT0040	MD 079 - TBC and Monomer Drum	1	1	.17		6	75
EQT0041	MD 321 - Feed Drum	1.4	16.7	.5		32	80
EQT0042	MD 325 - Crude Monomer Drum	1	1	.08		20	75
EQT0043	MD 326 - Finished Monomer Day Drum	.17	.22	.17		5	75
EQT0044	MD 327 - Finished Monomer Day Drum	.17	.22	.17		5	75
EQT0045	MD 340 - Crude Monomer Drum	1	1	.41		12	75
EQT0046	MD 341 - Off-Spec Monomer Drum	1	1	.04		12	75
EQT0047	MD 359 - Crude Monomer Drum	1	1	.17		20	75
EQT0048	MD 360 - Crude Monomer Drum	1	1	.25		20	75
EQT0049	MD 360A - Monomer Return Drum	1	1	.25		20	75

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Deltech - Baton Rouge Facility							
EQT0050	MD 361 - Monomer Tar Drum	1	1	.17		3	75
EQT0051	MD 362 - Inhibitor Drum			.17		12	
EQT0052	MD 363 - Crude Alkylate or Crude Monomer Drum	1	1	.25		12	75
EQT0053	MD 364 - Inhibitor Drum	1	1	.25		12	75
EQT0054	MD 366 - Crude Alkylate or Crude Monomer Drum	1	1	.17		3	75
EQT0055	MV 808 - Aromatic Lights Storage Tank	.11	1.34	.5		28	77
EQT0056	MV 811 - Toluene/Benzene Storage Tank	.37	7.9	.67		40	40
EQT0057	MV 817 - Ethylbenzene Tank			.67		18	78
EQT0059	MD 074 - Polymer Tars Tank			.33		40	77
EQT0060	MV 801 - Crude Styrene Tank	3.9	20.1	.05		30	77
EQT0061	MV 802 - EB or DIPB or DIPB Recycle or TBS Recycle Tank	1.3	15.6	.33		30	77
EQT0062	MV 803 - TBEB or DIPB or EB Tank	1.1	5.6	.17		30	55
EQT0063	MV 804 - Divinyl Benzene Tank	.47	5.57	.83		40	55
EQT0064	MV 806 - MS or TBS or Styrene or DIPEB Tank	.58	18.9	.5		40	77
EQT0065	MV 807 - Crude Monomer Tank	.4	5.12	.67		42	77
EQT0066	MV 809 - MS or Styrene or 93% Styrene Tank	.9	18.9	.67		40	77
EQT0067	MV 810 - ET Storage Tank	.9	18.9	.67		40	77
EQT0068	MV 812 - ET Storage Tank	8.9	186.9	.67		40	55
EQT0069	MV 813 - MS Storage Tank	1.4	28.7	.67		40	55
EQT0070	MV 814 - MS or Styrene or Toluene Storage Tank	1.47	21	1		40	55
EQT0071	MV 815 - Styrene Storage Tank			2		40	
EQT0072	MV 816 - Crude Styrene Tank Vent Scrubber	.02	.03	.17		21	77
EQT0073	MS 112 - Flux Oil Storage Tank	1	1.34	.25		40	90
EQT0074	MF 126 - PEB Storage Tank	1	1	.17		18	55
EQT0075	MV 320 - Monomer Storage Tank	1	1	.17		18	55
EQT0076	MV 330 - Monomer Storage Tank	1	1	.5		24	55
EQT0077	MV 340 - Monomer Storage Tank	2.4	1	.17		10	77
EQT0078	MV 332 - Aromatic Byproducts Storage Tank	37	56800	5.5		140	225
EQT0079	HB 512 - 170 M lb/hr Boiler	13	13320	5.5		40	450
EQT0080	HB 507 - 30 M lb/hr Boiler	37	56800	5.5		40	225
EQT0082	HB 513 - 170 M lb/hr Boiler	14	293	.67		60	1300
EQT0083	GQ 001 - Flare System	20.2	3846	2.33		31.7	1500
EQT0084	HF 303 - Dehydro Furnace	16	1172	4		51.4	1600
EQT0085	HF 001 - Dehydro Furnace						

INVENTORIES

AI ID: 248 - Delttech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Delttech - Baton Rouge Facility							
EQT0086	HF 004 - Dehydro Furnace	16	1172	4		51.4	1600
EQT0087	HF 005 - Dehydro Furnace	16	1172	4		51.4	1600
EQT0090	COOL TWR - Cooling Tower	15	229000	18			85
EQT0094	MS 404 - Biotreatment Feed Tank	1	1	.17		25	100
EQT0095	MS 405 - Biotreatment Feed Tank	1	1	.17		25	100
EQT0096	MS 406 - Biotreatment Feed Tank	1	1	.17		25	100
EQT0097	MS 407 - Biotreatment Feed Tank	1	1	.17		25	100
EQT0098	MS 412 - Biotreatment Feed Tank	1	1	.17		24	78
EQT0099	MS 413 - Biotreatment Feed Tank	1	1	.17		25	78
EQT0100	MS 416 - Biotreatment Tank	1	1.7	5026		12	78
EQT0103	MF 206 - Polymer Tars and Fuel Oil Tank			.3		24	90
EQT0108	MV 818 - Diethylbenzene Tank		18.9	.67		42	78
EQT0109	MD 019 - Byproduct Drum						
EQT0110	MD 020 - Byproduct Drum						
EQT0111	XD 101A/B/C - Reactor Effluent Separator (Alkylation Reactors)	9.9	4205	2.5		91.5	1300
EQT0112	PE 005 - Vacuum System (T 10) Vent	245	2	.15		100	100
EQT0113	PE 301 - Vacuum System Vent	1.6	8.5	.25		100	200
EQT0114	PE 302 - Vacuum System Vent	1.4	4	.25		100	200
EQT0115	SCP HTWLL - SCP Hotwell Vent	1	.37	.17		100	78
EQT0146	MD 547 - Powerhouse Sulfuric Acid Tank	1	1	.16		15	78
EQT0147	MD 596 - Cooling Tower Sulfuric Acid Tank	1	1	.16		8	78

Relationships:

ID	Description	Relationship	ID	Description
EQT0003	MD 017 Toluene Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0004	MD 008N Recycle Alkylate Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0005	MD 011A Byproduct Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0006	MD 014 Recycle Alkylate Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0007	MD 394 Ethylbenzene Feed Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0008	MD 395 Isobutylene Tank	Vents to	EQT0083	GQ 001 Flare System
EQT0068	MV 812 ET Storage Tank	Vents to	EQT0072	MV 816 Crude Styrene Tank Vent Scrubber
EQT0109	MD 019 Byproduct Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0110	MD 020 Byproduct Drum	Vents to	EQT0083	GQ 001 Flare System
EQT0111	XD 101A/B/C Reactor Effluent Separator (Alkylation Reactors)	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0111	XD 101A/B/C Reactor Effluent Separator (Alkylation Reactors)	Vents to, (startup)	EQT0083	GQ 001 Flare System

INVENTORIES

AI ID: 248 - Deltach Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Relationships:

ID	Description	Relationship	ID	Description
EQT0116	DH1 Dehydrogenation Reactor	Vents to	EQT0083	GQ 001 Flare System
EQT0117	DH4 Dehydrogenation Reactor	Vents to	EQT0086	HF 004 Dehydro Furnace
EQT0117	DH4 Dehydrogenation Reactor	Vents to, (startup or malfunction)	EQT0083	GQ 001 Flare System
EQT0118	DH5 Dehydrogenation Reactor	Vents to	EQT0087	HF 005 Dehydro Furnace
EQT0118	DH5 Dehydrogenation Reactor	Vents to, (startup or malfunction)	EQT0083	GQ 001 Flare System
EQT0119	DH303 Dehydrogenation Reactor	Vents to	EQT0083	GQ 001 Flare System
EQT0120	T 8 Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0121	T 9 Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0122	T 9B Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0123	T 9C Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0124	T 9D Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0125	T 10 Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0126	T 10A Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0127	T 10B Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0128	T 10C Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0129	T 11E Distillation Tower	Vents to	EQT0021	PE 01 MS Vacuum Jet Vent
EQT0130	T 102 Distillation Tower	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0130	T 102 Distillation Tower	Vents to, (startup)	EQT0083	GQ 001 Flare System
EQT0131	T 105 Distillation Tower	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0131	T 105 Distillation Tower	Vents to, (startup)	EQT0083	GQ 001 Flare System
EQT0132	T 106 Distillation Tower	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0132	T 106 Distillation Tower	Vents to, (startup)	EQT0083	GQ 001 Flare System
EQT0133	T 5 Distillation Tower	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0133	T 5 Distillation Tower	Vents to, (startup)	EQT0083	GQ 001 Flare System
EQT0134	T 5A Distillation Tower	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0134	T 5A Distillation Tower	Vents to, (startup)	EQT0083	GQ 001 Flare System
EQT0135	T 6A Distillation Tower	Vents to	GRP0009	BOILER CAP Boiler Emissions Cap
EQT0135	T 6A Distillation Tower	Vents to, (startup)	EQT0083	GQ 001 Flare System
EQT0136	AT 301 Distillation Tower	Vents to	EQT0114	PE 302 Vacuum System Vent
EQT0137	AT 302 Distillation Tower	Vents to	EQT0113	PE 301 Vacuum System Vent
EQT0138	AT 303 Distillation Tower	Vents to	EQT0113	PE 301 Vacuum System Vent
EQT0139	AT 304 Distillation Tower	Vents to, (when making DVB or TBS)	EQT0113	PE 301 Vacuum System Vent
EQT0139	AT 304 Distillation Tower	Vents to, (when making TBEB)	EQT0083	GQ 001 Flare System
EQT0140	AT 305 Distillation Tower	Vents to	EQT0113	PE 301 Vacuum System Vent
EQT0140	AT 305 Distillation Tower	Vents to	EQT0114	PE 302 Vacuum System Vent
EQT0141	AT 307 Distillation Tower	Vents to	EQT0114	PE 302 Vacuum System Vent

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Group Type	Group Description
CRG0001	Common Requirements Group	CRG 1 - Surge Control Vessels Common Requirements
CRG0002	Common Requirements Group	CRG 2 - Storage Tanks Common Requirements
CRG0003	Common Requirements Group	CRG 3 - Internal Floating Roof Tanks Common Requirements
CRG0004	Common Requirements Group	CRG 4 - Surge Control Vessels & Bottom Receivers Common Requirements
CRG0005	Common Requirements Group	CRG 5 - Inhibitor Drums Common Requirements
CRG0006	Common Requirements Group	CRG 6 - Surge Control Vessels & Bottom Receivers Common Requirements
CRG0007	Common Requirements Group	CRG 7 - Storage Tanks Common Requirements
CRG0008	Common Requirements Group	CRG 8 - Biotreatment Feed Tanks Common Requirements
CRG0009	Common Requirements Group	CRG 9 - Distillation Towers Common Requirements
CRG0010	Common Requirements Group	CRG 10 - Distillation Towers Common Requirements
CRG0011	Common Requirements Group	CRG 11 - Distillation Towers Common Requirements
CRG0012	Common Requirements Group	CRG 12 - Distillation Towers Common Requirements
CRG0013	Common Requirements Group	CRG 13 - Distillation Towers Common Requirements
GRP0009	Equipment Group	BOILER CAP - Boiler Emissions Cap
GRP0010	Equipment Group	TANK CAP - Tank Emissions Cap
GRP0011	Equipment Group	IFR CAP - Internal Floating Roof Cap
GRP0012	Equipment Group	LOAD CAP - Loading Cap
GRP0013	Equipment Group	MS CAP - MS Drums Cap
GRP0014	Equipment Group	SCP CAP - SCP Drums Cap
GRP0015	Equipment Group	WWT - Wastewater Treatment System
UNF0001	Unit or Facility Wide	Deltech - Baton Rouge Facility

Group Membership:

ID	Description	Member of Groups
EQT0001	MD 005A - Vent Scrubber Feed Drum	CRG0000000006, GRP00000000013
EQT0002	MD 005B - Crude Monomer Drum	CRG0000000006, GRP00000000013
EQT0003	MD 017 - Toluene Drum	CRG00000000001
EQT0004	MD 008N - Recycle Alkylate Drum	CRG0000000001
EQT0005	MD 011A - Byproduct Drum	CRG0000000001
EQT0006	MD 014 - Recycle Alkylate Drum	CRG0000000001
EQT0007	MD 394 - Ethylbenzene Feed Drum	CRG0000000007
EQT0009	MD 019B - Crude Monomer Drum	CRG0000000004, GRP00000000013
EQT0010	MD 019D - Inhibitor and Monomer Drum	CRG0000000004, GRP00000000013
EQT0011	MD 020B - Crude Monomer Drum	CRG0000000004, GRP00000000013
EQT0012	MD 020D - Inhibitor and Monomer Drum	CRG0000000004, GRP00000000013
EQT0013	MD 018 - Alkylation Feed Drum	CRG0000000006, GRP00000000013
EQT0014	MD 019A - Crude Monomer Drum	CRG0000000004, GRP00000000013
EQT0015	MD 020A - Crude Monomer Drum	CRG0000000004, GRP00000000013
EQT0016	MD 012 - Inhibitor Drum	CRG0000000005, GRP00000000013

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT0017	MD 013 - Inhibitor and MS Drum	CRG0000000005, GRP0000000013
EQT0018	MD 060 - Crude Monomer Drum	CRG0000000006, GRP0000000013
EQT0025	MD 004N - Crude Alkylate Drum	CRG0000000004, GRP0000000013
EQT0026	MD 005 - Crude Monomer Drum	CRG0000000004, GRP0000000013
EQT0027	MD 006 - Crude Alkylate Drum	CRG0000000004, GRP0000000013
EQT0028	MD 006A - Crude Alkylate Drum	CRG0000000004, GRP0000000013
EQT0029	MD 019C - Monomer Drum	CRG0000000004, GRP0000000013
EQT0030	MD 020C - Monomer Drum	CRG0000000004, GRP0000000013
EQT0031	MD 023 - Crude Monomer Drum	CRG0000000004, GRP0000000013
EQT0032	MD 008A - Vent Scrubber Tank	CRG0000000006, GRP0000000013
EQT0033	MD 017A - Crude Monomer Drum	CRG0000000004, GRP0000000013
EQT0034	MD 017B - Crude Monomer Drum	CRG0000000006, GRP0000000013
EQT0035	MD 015 - Inhibitor and Monomer Drum	CRG0000000004, GRP0000000013
EQT0036	MD 016 - Inhibitor and Monomer Drum	CRG0000000004, GRP0000000013
EQT0037	MD 019E - Monomer Drum	CRG0000000004, GRP0000000013
EQT0038	MD 020E - Monomer Drum	CRG0000000004, GRP0000000013
EQT0039	MD 075 - TBC and Monomer Drum	CRG0000000004, GRP0000000013
EQT0040	MD 079 - TBC and Monomer Drum	CRG0000000004, GRP0000000013
EQT0041	MD 321 - Feed Drum	CRG0000000007, GRP0000000014
EQT0042	MD 325 - Crude Monomer Drum	CRG0000000007, GRP0000000014
EQT0043	MD 326 - Finished Monomer Day Drum	CRG0000000007, GRP0000000014
EQT0044	MD 327 - Finished Monomer Day Drum	CRG0000000007, GRP0000000014
EQT0045	MD 340 - Crude Monomer Drum	CRG0000000007, GRP0000000014
EQT0046	MD 341 - Off-Spec Monomer Drum	CRG0000000007, GRP0000000014
EQT0047	MD 359 - Crude Monomer Drum	CRG0000000007, GRP0000000014
EQT0048	MD 360 - Crude Monomer Drum	CRG0000000007, GRP0000000014
EQT0049	MD 360A - Monomer Rerun Drum	CRG0000000007, GRP0000000014
EQT0050	MD 361 - Monomer Tar Drum	CRG0000000007, GRP0000000014
EQT0051	MD 362 - Inhibitor Drum	CRG0000000007, GRP0000000014
EQT0052	MD 363 - Crude Alkylate or Crude Monomer Drum	CRG0000000007, GRP0000000014
EQT0053	MD 364 - Inhibitor Drum	CRG0000000007, GRP0000000014
EQT0054	MD 366 - Crude Alkylate or Crude Monomer Drum	CRG0000000007, GRP0000000014
EQT0055	MV 808 - Aromatic Lights Storage Tank	CRG0000000003, GRP0000000011
EQT0056	MV 811 - Toluene/Benzene Storage Tank	CRG0000000003, GRP0000000011
EQT0057	MV 817 - Ethylbenzene Tank	CRG0000000003, GRP0000000011
EQT0059	MD 074 - Polymer Tars Tank	GRP0000000010
EQT0060	MV 801 - Crude Styrene Tank	CRG0000000002, GRP0000000010
EQT0061	MV 802 - EB or DIPB or DIPB Recycle or TBS Recycle Tank	CRG0000000002, GRP0000000010
EQT0062	MV 803 - TBEB or DIPB or EB Tank	CRG0000000002, GRP0000000010
EQT0063	MV 804 - Divinyl Benzene Tank	CRG0000000002, GRP0000000010
EQT0064	MV 806 - MS or TBS or Styrene or DIPEB Tank	CRG0000000002, GRP0000000010
EQT0065	MV 807 - Crude Monomer Tank	CRG0000000002, GRP0000000010
EQT0066	MV 809 - MS or Styrene or 93% Styrene Tank	CRG0000000002, GRP0000000010

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-000006-V4
Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT0067	MV 810 - ET Storage Tank	CRG0000000002, GRP0000000010
EQT0068	MV 812 - ET Storage Tank	CRG0000000002, GRP0000000010
EQT0069	MV 813 - MS Storage Tank	CRG0000000002, GRP0000000010
EQT0070	MV 814 - MS or Styrene or Toluene Storage Tank	CRG0000000002, GRP0000000010
EQT0071	MV 815 - Styrene Storage Tank	CRG0000000002, GRP0000000010
EQT0072	MV 816 - Crude Styrene Tank Vent Scrubber	CRG0000000002, GRP0000000010
EQT0073	MS 112 - Flux Oil Storage Tank	CRG0000000002, GRP0000000010
EQT0074	MF 126 - PEB Storage Tank	GRP0000000010
EQT0075	MV 320 - Monomer Storage Tank	GRP0000000010
EQT0076	MV 330 - Monomer Storage Tank	GRP0000000010
EQT0077	MV 340 - Monomer Storage Tank	GRP0000000010
EQT0078	MV 332 - Aromatic Byproducts Storage Tank	CRG0000000002, GRP0000000010
EQT0079	HB 512 - 170 M lb/hr Boiler	GRP0000000009
EQT0080	HB 507 - 30 M lb/hr Boiler	GRP0000000009
EQT0082	HB 513 - 170 M lb/hr Boiler	GRP0000000012
EQT0088	AS BL - Barge Loading	GRP0000000009
EQT0089	AS LR - Loading Racks	GRP0000000009
EQT0094	MS 404 - Biotreatment Feed Tank	CRG0000000008, GRP0000000015
EQT0095	MS 405 - Biotreatment Feed Tank	CRG0000000008, GRP0000000015
EQT0096	MS 406 - Biotreatment Feed Tank	CRG0000000008, GRP0000000015
EQT0097	MS 407 - Biotreatment Feed Tank	CRG0000000008, GRP0000000015
EQT0098	MS 412 - Biotreatment Feed Tank	CRG0000000008, GRP0000000015
EQT0099	MS 413 - Biotreatment Feed Tank	CRG0000000008, GRP0000000015
EQT0100	MS 416 - Biotreatment Tank	GRP0000000010
EQT0103	MF 206 - Polymer Tars and Fuel Oil Tank	CRG0000000002, GRP0000000010
EQT0108	MV 818 - Diethylbenzene Tank	CRG0000000001
EQT0109	MD 019 - Byproduct Drum	CRG0000000001
EQT0110	MD 020 - Byproduct Drum	CRG0000000009
EQT0120	T 8 - Distillation Tower	CRG0000000009
EQT0121	T 9 - Distillation Tower	CRG0000000009
EQT0122	T 9B - Distillation Tower	CRG0000000009
EQT0123	T 9C - Distillation Tower	CRG0000000009
EQT0124	T 9D - Distillation Tower	CRG0000000009
EQT0125	T 10 - Distillation Tower	CRG0000000009
EQT0126	T 10A - Distillation Tower	CRG0000000009
EQT0127	T 10 - Distillation Tower	CRG0000000009
EQT0128	T 10C - Distillation Tower	CRG0000000009
EQT0129	T 11E - Distillation Tower	CRG0000000009
EQT0130	T 102 - Distillation Tower	CRG0000000010
EQT0131	T 105 - Distillation Tower	CRG0000000010
EQT0132	T 106 - Distillation Tower	CRG0000000010
EQT0133	T 5 - Distillation Tower	CRG0000000010
EQT0134	T 5A - Distillation Tower	CRG0000000010

INVENTORIES

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Group Memberships:

ID	Description	Member of Groups
EQT0135	T 6A - Distillation Tower	CRG0000000010
EQT0136	AT 301 - Distillation Tower	CRG0000000013
EQT0137	AT 302 - Distillation Tower	CRG0000000011, CRG0000000012
EQT0138	AT 303 - Distillation Tower	CRG0000000011, CRG0000000012
EQT0139	AT 304 - Distillation Tower	CRG0000000012
EQT0140	AT 305 - Distillation Tower	CRG0000000012, CRG0000000013
EQT0141	AT 307 - Distillation Tower	CRG0000000013

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1550	Steam Gen. Units Fuels with 0.7 percent S or Less (Rated Capacity)	170	1,000 Lbs/Hr
1540	Steam Gen. Units-Natural Gas or Comb Non-Fossil Fuels (Rated Capacity)	200	1,000 Lbs/Hr
0635	Olefins and Aromatics N.E.C. (Rated Capacity)	142	MM Lb/Yr
0610	Styrene Monomer (Rated Capacity)	100	MM Lb/Yr

SIC Codes:

2865	Cyclic organic crudes, intermediates, dyes and pigments	A1248
2865	Cyclic organic crudes, intermediates, dyes and pigments	UNF001
2869	Industrial organic chemicals, nec	A1248
2869	Industrial organic chemicals, nec	UNF001
4961	Steam and air conditioning supply	A1248
4961	Steam and air conditioning supply	UNF001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Deltech - Baton Rouge Facility															
EQT 0019 MD 602													0.001	0.001	0.004
EQT 0020 AT 513													1.86	3.57	8.15
EQT 0021 PE 01													1.858	2.044	8.14
EQT 0022 XB 101	0.70	0.77	3.07	0.83	0.91	3.65	0.06	0.07	0.28	<0.001	0.001	0.02	0.05	0.05	0.20
EQT 0023 E HTWLL													<0.001	0.001	0.001
EQT 0024 W HTWLL													<0.001	0.001	0.001
EQT 0079 HB 512		15.12			17.22			2.10			22.61			1.07	
EQT 0080 HB 507		2.66			3.31			0.39			4.28			0.35	
EQT 0082 HB 513		12.01			14.44			1.09			0.09			1.05	
EQT 0083 GC 001	1.89	2.08	8.28	2.25	2.48	9.86	0.17	0.19	0.75	0.01	0.02	0.06	0.46	0.51	2.03
EQT 0084 HF 303	0.67	0.74	2.94	0.80	0.88	3.50	0.06	0.07	0.27	<0.001	0.001	0.02	0.04	0.04	0.19
EQT 0085 HF 001	3.02	3.33	13.25	3.60	3.96	15.77	0.27	0.30	1.20	0.02	0.02	0.09	0.20	0.22	0.87
EQT 0086 HF 004	3.02	3.33	13.25	1.80	1.98	7.88	0.27	0.30	1.20	0.02	0.02	0.09	0.20	0.22	0.87
EQT 0087 HF 005	1.46	1.60	6.39	1.82	2.00	7.96	0.31	0.34	1.36	0.01	0.01	0.04	0.32	0.348	1.40
EQT 0088 ASBL														5.19	
EQT 0089 ASLR														1.67	
EQT 0090 COOL TWR							9.61	10.57	42.09						
EQT 0111 XD 101A/B/C	2.512	2.762	11.0										0.667	0.734	2.92
EQT 0112 PE 005															
EQT 0113 PE 301													0.11	0.12	0.47
EQT 0114 PE 302													<0.001	0.001	0.002
EQT 0115 SCP HTWLL													<0.001	<0.001	0.004
EQT 0142 1-07	1.17	1.17	0.06	5.43	5.43	0.27	0.39	0.39	0.02	0.36	0.36	0.02	0.44	0.44	0.02

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Deltech - Baton Rouge Facility															
EQ1 0143 2-07	1.80	1.80	0.09	8.34	8.34	0.42	0.59	0.59	0.03	0.55	0.55	0.03	0.68	0.68	0.03
EQ1 0144 3-07	0.68	0.68	0.03	3.16	3.16	0.16	0.22	0.22	0.01	0.02	0.02	0.01	0.26	0.26	0.01
EQ1 0145 4-07	0.05	0.05	0.01	0.23	0.23	0.06	0.02	0.02	<0.01	0.01	0.01	<0.01	0.02	0.02	<0.01
FUG 0001 AS F													0.08	0.08	0.34
GRP 0009 BOILER CAP	22.42		98.19	26.39		115.6	2.84		12.46	10.96		48.0	1.40		6.15
GRP 0010 TANK CAP													3.58		15.67
GRP 0011 IFR CAP													0.261		1.15
GRP 0012 LOAD CAP													0.58		2.55
GRP 0013 MS CAP													0.38		1.68
GRP 0014 SCP CAP													0.015		0.067
GRP 0015 WWT													0.29	0.29	1.24

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

- GRP 0009 PM10 Tons/Year BOILER CAP includes emissions from boilers HB 507, HB 512 and HB 513 Which Months: All Year
- GRP 0009 SO2 Tons/Year BOILER CAP includes emissions from boilers HB 507, HB 512 and HB 513 Which Months: All Year
- GRP 0009 NOx Tons/Year BOILER CAP includes emissions from boilers HB 507, HB 512 and HB 513 Which Months: All Year
- GRP 0009 CO Tons/Year BOILER CAP includes emissions from boilers HB 507, HB 512 and HB 513 Which Months: All Year
- GRP 0009 VOC Tons/Year BOILER CAP includes emissions from boilers HB 507, HB 512 and HB 513 Which Months: All Year
- GRP 0010 VOC Tons/Year TANK CAP includes emissions from tanks MD 074, MF 126, MF 206, MS 112, MV 320, MV 332, MV 340, MV 801, MV 802, MV 803, MV 804, MV 806, MV 807, MV 809, MV 810, MV 812, MV 813, MV 814, MV 815, MV 816, MV 818 Which Months: All Year
- GRP 0011 VOC Tons/Year IFR CAP includes emissions from tanks MV 808, MV 811 and MV 817 Which Months: All Year
- GRP 0012 VOC Tons/Year LOAD CAP includes emissions from loading operations AS BL and AS LR Which Months: All Year
- GRP 0013 VOC Tons/Year MS CAP includes emissions from tanks MD 004N, MD 005, MD 005A, MD 005B, MD 006, MD 006A, MD 008A, MD 012, MD 013, MD 015, MD 016, MD 017A, MD 017B, MD 018, MD 019A, MD 019B, MD 019C, MD 019D, MD 019E, MD 020A, MD 020B, MD 020C, MD 020D, MD 020E, MD 023, MD 060, MD 075, MD 079 Which Months: All Year
- GRP 0014 VOC Tons/Year SCP CAP includes emissions from tanks MD 321, MD 325, MD 326, MD 327, MD 340, MD 341, MD 359, MD 360, MD 360A, MD 361, MD 362, MD 363, MD 364, MD 366 Which Months: All Year
- GRP 0015 VOC Tons/Year WWT includes emissions from tanks MS 404, MS 405, MS 406, MS 407, MS 412, MS 413, MS 415 Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0020 AT 513	Benzene	0.297	0.481	1.30
	Ethyl benzene	0.037	0.067	0.161
	Styrene	0.10	0.19	0.44
	Toluene	0.30	0.517	1.314
	Xylene (mixed isomers)	0.117	0.215	0.511
EQT 0021 PE 01	Benzene	0.524	0.576	2.293
	Cumene	0.001	0.001	0.004
	Ethyl benzene	0.032	0.036	0.142
	Styrene	0.061	0.067	0.265
	Toluene	0.40	0.44	1.754
	Xylene (mixed isomers)	0.08	0.09	0.341
EQT 0023 E HTWLL	Benzene	< 0.001	< 0.001	< 0.001
	Ethyl benzene	< 0.001	< 0.001	< 0.001
	Styrene	< 0.001	< 0.001	< 0.001
	Toluene	< 0.001	< 0.001	< 0.001
	Xylene (mixed isomers)	< 0.001	< 0.001	< 0.001
EQT 0024 W HTWLL	Benzene	< 0.001	< 0.001	< 0.001
	Ethyl benzene	< 0.001	< 0.001	< 0.001
	Styrene	< 0.001	< 0.001	< 0.001
	Toluene	< 0.001	< 0.001	< 0.001
	Xylene (mixed isomers)	< 0.001	< 0.001	< 0.001
EQT 0079 HB 512	Benzene		< 0.001	
	Ethyl benzene		< 0.001	
	Formaldehyde		0.04	
	Toluene		0.158	
EQT 0080 HB 507	Benzene		< 0.001	
	Ethyl benzene		< 0.001	
	Formaldehyde		0.003	
	Toluene		0.158	
EQT 0082 HB 513	Benzene		< 0.001	
	Ethylene		0.158	
	Formaldehyde		0.01	
	Toluene		< 0.001	
EQT 0083 GQ 001	Benzene	0.13	0.14	0.56

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0083 GQ 001	Ethyl benzene	0.02	0.02	0.10
	Styrene	0.03	0.03	0.12
	Toluene	0.04	0.05	0.20
	Xylene (mixed isomers)	0.02	0.02	0.10
EQT 0086 HF 004	Benzene	0.012	0.013	0.051
	Ethyl benzene	0.002	0.002	0.009
	Ethylene	0.004	0.005	0.018
	Styrene	0.003	0.004	0.012
	Toluene	0.004	0.005	0.016
	Xylene (mixed isomers)	0.002	0.002	0.009
EQT 0087 HF 005	Benzene	0.014	0.016	0.006
	Cumene	0.005	0.006	0.02
	Ethyl benzene	0.003	0.003	0.01
	Styrene	0.002	0.002	0.01
	Toluene	0.01	0.011	0.04
EQT 0088 AS BL	Benzene		0.61	
	Cumene		0.001	
	Ethyl benzene		0.31	
	Styrene		1.34	
	Toluene		0.92	
	Xylene (mixed isomers)		1.38	
EQT 0089 ASLR	Benzene		0.459	
	Cumene		0.001	
	Ethyl benzene		0.03	
	Styrene		0.356	
	Toluene		0.594	
	Xylene (mixed isomers)		0.157	
EQT 0112 PE 005	Benzene	0.137	0.151	0.60
	Ethyl benzene	0.002	0.003	0.01
	Styrene	0.002	0.003	0.01
	Toluene	0.183	0.201	0.80
	Xylene (mixed isomers)	0.046	0.05	0.20
EQT 0113 PE 301	Benzene	0.10	0.11	0.448
	Ethyl benzene	< 0.001	< 0.001	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0113 PE 301	Styrene	< 0.001	0.001	0.002
	Toluene	0.002	0.002	0.009
	Xylene (mixed isomers)	0.001	0.001	0.003
EQT 0115 SCP HTWLL	Benzene	< 0.001	< 0.001	0.001
EQT 0146 MD 547	Sulfuric acid	< 0.001	< 0.001	< 0.001
EQT 0147 MD 586	Sulfuric acid	< 0.001	< 0.001	< 0.001
FUG 0001 AS F	Benzene	0.002	0.002	0.007
	Ethyl benzene	0.007	0.007	0.031
	Styrene	0.014	0.014	0.061
	Toluene	0.035	0.035	0.153
	Xylene (mixed isomers)	0.009	0.009	0.039
GRP 0009 BOILER CAP	Benzene	< 0.001		< 0.001
	Ethylene	0.144		0.63
	Formaldehyde	0.018		0.08
	Toluene	< 0.001		< 0.001
GRP 0010 TANK CAP	Benzene	0.148		0.650
	Cumene	0.036		0.160
	Ethyl benzene	0.898		3.932
	Styrene	0.599		2.623
	Toluene	0.947		4.146
	Xylene (mixed isomers)	0.044		0.194
GRP 0011 IFR CAP	Benzene	0.130		0.575
	Cumene	0.001		0.001
	Ethyl benzene	0.029		0.127
	Styrene	0.008		0.035
	Toluene	0.045		0.19
	Xylene (mixed isomers)	0.008		0.035
GRP 0012 LOAD CAP	Benzene	0.124		0.544
	Cumene	< 0.001		0.001
	Ethyl benzene	0.008		0.037
	Styrene	0.219		0.959
	Toluene	0.161		0.703
	Xylene (mixed isomers)	0.041		0.180
GRP 0013 MS CAP	Benzene	0.114		0.501

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0013 MS CAP	Cumene	0.001		0.002
	Ethyl benzene	0.027		0.118
	Methanol	0.001		0.001
	Styrene	0.137		0.584
	Toluene	0.038		0.165
	Xylene (mixed isomers)	0.008		0.034
GRP 0014 SCP CAP	Ethyl benzene	0.003		0.012
	Naphthalene	0.002		0.009
GRP 0015 WWT	Benzene	0.030	0.030	0.143
	Ethyl benzene	0.100	0.100	0.436
	Styrene	0.010	0.010	0.046
	Toluene	0.090	0.090	0.375
	Xylene (mixed isomers)	0.060	0.060	0.241
UNF 0001 Deltech	Benzene			7.682
	Cumene			0.188
	Ethyl benzene			5.128
	Formaldehyde			0.080
	Methanol			0.001
	Naphthalene			0.009
	Styrene			5.169
	Toluene			9.868
Xylene (mixed isomers)			1.898	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

EQT0019 MD 602 Gasoline Drum

- 1 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
- 2 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3 a-e.
- 3 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 4 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Storage tank is equipped with a submerged fill pipe.

EQT0020 AT 513 Condensate Stripper Vent

- 5 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 6 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- 7 [40 CFR 63.113(d)] Group 2 process vent. TRE > 1.0 but <= 4.0. Comply with the monitoring of recovery device parameters in 63.114(b) or (c), the TRE calculations of 63.115, and the applicable reporting and recordkeeping provisions of 63.117 and 63.118. Subpart G. [40 CFR 63.113(d)]
- 8 [40 CFR 63.114(b)(2)] Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder. Monitor the exit (product side) temperature. Subpart G. [40 CFR 63.114(b)(2)]
- 9 [40 CFR 63.117(a)] Which Months: All Year Statistical Basis: None specified
- 10 [40 CFR 63.118(b)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 11 [LAC 33:III.501.C.6] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(b)(1) and (b)(2). Subpart G. [40 CFR 63.118(b)]
- 12 [LAC 33:III.5109.A] Permittee shall operate the condenser, Emission Point AT 513, with cooling water to condense vapors. The condenser exit (product side) temperature monitoring device shall be equipped with a continuous recorder per 40 CFR 63 Subpart G (HON). The maximum daily average exit temperature shall be less than 100 °F to ensure proper condensation. Daily averages of this temperature shall be maintained. Any daily average temperature outside the range established shall be reported in the Periodic Report required under 63.152(c). Records of instrument calibration and maintenance shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(d). Monitoring is required.

EQT0021 PE 01 MS Vacuum Jet Vent

- 13 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 14 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

EQT0021 PE 01 MS Vacuum Jet Vent

- 15 [40 CFR 63.113(d)] Group 2 process vent. TRE > 1.0 but <= 4.0. Comply with the monitoring of recovery device parameters in 63.114(b) or (c), the TRE calculations of 63.115, and the applicable reporting and recordkeeping provisions of 63.117 and 63.118. (This vent services distillation columns T 8, T 9, T 9B, T 9C, T 9D, T 10, T 10A, T 10B, T 10C, T 11E). Subpart G. [40 CFR 63.113(d)]
- 16 [40 CFR 63.114(b)(2)] Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder. Monitor the exit (product side) temperature. Subpart G. [40 CFR 63.114(b)(2)]
 Which Months: All Year Statistical Basis: None specified
- 17 [40 CFR 63.117(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 18 [40 CFR 63.118(b)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(b)(1) and (b)(2). Subpart G. [40 CFR 63.118(b)]
- 19 [LAC 33:III.501.C.6] Permittee shall operate the condenser, Emission Point PE 01, with chilled glycol to condense vapors. The condenser exit (product side) temperature monitoring device shall be equipped with a continuous recorder per 40 CFR 63 Subpart G (HON). The maximum daily average exit temperature shall be less than 80 °F to ensure proper condensation. Daily averages of this temperature shall be maintained. Any daily average temperature outside the range established shall be reported in the Periodic Report required under 63.152(c). Records of instrument calibration and maintenance shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Group 2 HON process vents meeting the requirements of 40 CFR 63.100, 113(a)(3) and 113(d) are routed to this source. Monitoring is required.
- 20 [LAC 33:III.5109.A]

EQT0022 XB 101 Alkylation Furnace

- 21 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 22 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

EQT0023 E HTWLL East Hotwell Vent

- 23 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 24 [40 CFR 63.113(f)] Group 2 process vent. Flow rate < 0.005 standard cubic meter per minute. Comply with the Group determination procedures of 63.115(a), (b) and (e), and the reporting and recordkeeping requirements in 63.117(c), 63.118(d) and 63.118(i). Subpart G. [40 CFR 63.113(f)]
- 25 [40 CFR 63.117(c)] Submit information: Due with the Notification of Compliance Status specified in 40 CFR 63.152. Submit the flow rate measurement using methods and procedures specified in 40 CFR 63.115(a) and (b). Subpart G. [40 CFR 63.117(c)]
- 26 [40 CFR 63.118(d)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(d)(1) through (d)(3). Subpart G. [40 CFR 63.118(d)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

EQT0023 E HTWLL East Hotwell Vent

- 27 [40 CFR 63.118(i)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a flow rate less than 0.005 standard cubic meter per minute to become a Group 2 process vent with a flow rate of 0.005 scmm or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(i)(1) through (i)(3). Subpart G. [40 CFR 63.118(i)]
- 28 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(f).

EQT0024 W HTWLL West Hotwell Vent

- 29 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 30 [40 CFR 63.113(f)] Group 2 process vent. Flow rate < 0.005 standard cubic meter per minute. Comply with the Group determination procedures of 63.115(a), (b) and (c), and the reporting and recordkeeping requirements in 63.117(c), 63.118(d) and 63.118(i). Subpart G. [40 CFR 63.113(f)]
- 31 [40 CFR 63.117(c)] Submit information: Due with the Notification of Compliance Status specified in 40 CFR 63.152. Submit the flow rate measurement using methods and procedures specified in 40 CFR 63.115(a) and (b). Subpart G. [40 CFR 63.117(c)]
- 32 [40 CFR 63.118(d)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(d)(1) through (d)(3). Subpart G. [40 CFR 63.118(d)]
- 33 [40 CFR 63.118(i)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a flow rate less than 0.005 standard cubic meter per minute to become a Group 2 process vent with a flow rate of 0.005 scmm or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(i)(1) through (i)(3). Subpart G. [40 CFR 63.118(i)]
- 34 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(f).

EQT0072 MV 816 Crude Styrene Tank Vent Scrubber

- 35 [LAC 33:III.501.C.6] Flow rate >= 3 gallons/min. (Scrubber for the ET and Crude Styrene Tanks MV 812 and MV 816).
Which Months: All Year Statistical Basis: None specified
- 36 [LAC 33:III.501.C.6] Flow rate monitored by flow rate monitoring device once every four hours.
Which Months: All Year Statistical Basis: None specified
- 37 [LAC 33:III.501.C.6] Flow rate recordkeeping by electronic or hard copy once every four hours.
- 38 [LAC 33:III.501.C.6] Replace the diethylbenzene scrubbing medium with fresh material when the concentration of Styrene >= 3 percent.
Which Months: All Year Statistical Basis: Allowed concentration
- 39 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.

EQT0079 HB 512 Boiler

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

EQT0079 HB 512 Boiler

- 40 [40 CFR 60.702(a)] Reduce emissions of TOC by 98 weight-percent, or to a TOC concentration of 20 ppmv, whichever is less stringent. (Boiler is the control device for new reactor XD 101C. The reactor vent stream is introduced to the boiler with the primary fuel). Subpart RRR. [40 CFR 60.702(a)]
- 41 [40 CFR 60.703(c)(1)(ii)] Seal or closure mechanism monitored by visual inspection/determination monthly. Monitor the seal or closure mechanism (car - seal or lock - and - key type) on any bypass line to ensure that the valve is maintained in a closed position. Subpart RRR. [40 CFR 60.703(c)(1)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 42 [40 CFR 60.705(d)(2)] Seal or closure mechanism recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of all monthly visual inspections of the seals and records of all periods and the duration when the seal mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key type configuration has been checked out. Subpart RRR. [40 CFR 60.705(d)(2)]
- 43 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
- 44 [LAC 33:III.1101] Opacity monitored by visual inspection/determination weekly without a qualified observer. If visible emissions observed for more than six minutes, record as opacity exceedance. Keep records on site and made available upon request.
 Which Months: All Year Statistical Basis: None specified
- 45 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 46 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
 Boilers HB 512 and HB 513 shall meet a cap limit for emissions of Nitrogen oxides <= 0.26 tons/day.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 47 [LAC 33:III.2201.D.4] Nitrogen oxides monitored by technically sound method continuously.
 Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 48 [LAC 33:III.2201.D.4] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
 Which Months: May-Sep Statistical Basis: None specified
- 49 [LAC 33:III.2201.H.1.a.i] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d
- 50 [LAC 33:III.2201.I.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 51 [LAC 33:III.2201.I] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
- 52 [LAC 33:III.5109.A] Group 2 HON process vents meeting the requirements of 40 CFR 63.100, 113(a)(3) and 113(e) are routed to this source (Alkylation reactors XD 101A/B/C; Distillation Towers T 102, T 105, T 106, T 5, T 5A & T 6A).

EQT0080 HB 507 Boiler

- 53 [40 CFR 60.702(a)] Reduce emissions of TOC by 98 weight-percent, or to a TOC concentration of 20 ppmv, whichever is less stringent. (Boiler is the control device for new reactor XD 101C. The reactor vent stream is introduced to the boiler with the primary fuel). Subpart RRR. [40 CFR 60.702(a)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Deitech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

EQT0080 HB 507 Boiler

- 54 [40 CFR 60.703(c)(1)(ii)] Seal or closure mechanism monitored by visual inspection/determination monthly. Monitor the seal or closure mechanism (car - seal or lock - and - key type) on any bypass line to ensure that the valve is maintained in a closed position. Subpart RRR. [40 CFR 60.703(c)(1)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 55 [40 CFR 60.705(d)(2)] Seal or closure mechanism recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of all monthly visual inspections of the seals and records of all periods and the duration when the seal mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key type configuration has been checked out. Subpart RRR. [40 CFR 60.705(d)(2)]
- 56 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
- 57 [LAC 33:III.1101] Opacity monitored by visual inspection/determination weekly without a qualified observer. If visible emissions observed for more than six minutes, record as opacity exceedance. Keep records on site and made available upon request.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 59 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 60 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Group 2 HON process vents meeting the requirements of 40 CFR 63.100, 113(a)(3) and 113(e) are routed to this source (Alkylation reactors XD 101A/B/C; Distillation Towers T 102, T 105, T 106, T 5, T 6A & T 6A).

EQT0082 HB 513 Boiler

- 61 [40 CFR 60.702(a)] Reduce emissions of TOC by 98 weight-percent, or to a TOC concentration of 20 ppmv, whichever is less stringent. (Boiler is the control device for new reactor XD 101C. The reactor vent stream is introduced to the boiler with the primary fuel). Subpart RRR. [40 CFR 60.702(a)]
- 62 [40 CFR 60.703(c)(1)(ii)] Seal or closure mechanism monitored by visual inspection/determination monthly. Monitor the seal or closure mechanism (car - seal or lock - and - key type) on any bypass line to ensure that the valve is maintained in a closed position. Subpart RRR. [40 CFR 60.703(c)(1)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 63 [40 CFR 60.705(d)(2)] Seal or closure mechanism recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of all monthly visual inspections of the seals and records of all periods and the duration when the seal mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key type configuration has been checked out. Subpart RRR. [40 CFR 60.705(d)(2)]
- 64 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltach Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

EQT0082 HB 513 Boiler

- 65 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: None specified
- 66 [LAC 33:III.2201.D.4] Boilers HB 512 and HB 513 shall meet a cap limit for emissions of Nitrogen oxides <= 0.26 tons/day.
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 67 [LAC 33:III.2201.D.4] Nitrogen oxides monitored by technically sound method continuously.
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 68 [LAC 33:III.2201.H.1.a.i] Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter.
Which Months: May-Sep Statistical Basis: None specified
- 69 [LAC 33:III.2201.I.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 70 [LAC 33:III.2201.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 71 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Group 2 HON process vents meeting the requirements of 40 CFR 63.100, 113(a)(3) and 113(e) are routed to this source (Alkylation reactors XD 101A/B/C; Distillation Towers T 102, T 105, T 106, T 5, T 5A & T 6A).

EQT0083 GQ 001 Flare System

- 72 [40 CFR 60.18] Comply with the general control device requirements of 40 CFR 60.18(b) for non-assisted flares. Subpart A.
- 73 [40 CFR 60.662(b)] Combust the emissions in a flare that meets the requirements of 40 CFR 60.18. (Distillation unit AT 304 will vent to flare when making TBEB). Subpart NNN. [40 CFR 60.662(b)]
- 74 [40 CFR 60.663(b)(1)] Presence of a flame monitored by heat sensing device continuously. Use a heat sensing device, such as an ultra-violet beam sensor or thermocouple, at the pilot light to monitor the continuous presence of a flame. Subpart NNN. [40 CFR 60.663(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 75 [40 CFR 60.663(b)(2)] Flow monitored by flow indicator hourly. Monitor the vent stream flow to the flare. Install the flow indicator in the vent stream from each affected facility at a point closest to the flare and before being joined with any other vent stream. Subpart NNN. [40 CFR 60.663(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 76 [40 CFR 60.664(d)] Conduct a visible emission test using the techniques specified in 40 CFR 60.18(f)(1). Subpart NNN. [40 CFR 60.664(d)]
- 77 [40 CFR 60.665(d)] Flow recordkeeping by electronic or hard copy continuously, as well as records of all periods when the vent stream is diverted from the flare or has no flow rate. Subpart NNN. [40 CFR 60.665(d)]
- 78 [40 CFR 60.665(f)] Presence of a flame recordkeeping by electronic or hard copy continuously, as well as records of all periods when the pilot flame is absent. Subpart NNN. [40 CFR 60.665(f)]
- 79 [40 CFR 60.665(l)] Report in the semiannual report all periods when the vent stream is diverted from the flare or has no flow rate. Also report all periods when the pilot flame of the flare is absent. Subpart NNN. [40 CFR 60.665(l)]
- 80 [40 CFR 60.702(b)] Combust the emissions in a flare that meets the requirements of 40 CFR 60.18. (New reactor XD 101C will vent to flare during startup). Subpart RRR. [40 CFR 60.702(b)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Delftech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-000006-V4
Air - Title V Regular Permit Minor Mod

EQT0083 GQ 001 Flare System

- 81 [40 CFR 60.703(b)(1)] Presence of a flame monitored by heat sensing device continuously. Install a heat sensing device, such as an ultra-violet beam sensor or thermocouple, at the pilot light. Subpart RRR. [40 CFR 60.703(b)(1)]
 Which Months: All Year Statistical Basis: None specified
- 82 [40 CFR 60.703(b)(2)(ii)] Seal or closure mechanism monitored by visual inspection/determination monthly. Monitor the seal or closure mechanism (car-seal or lock-and-key type) on any bypass line to ensure that the valve is maintained in a closed position. Subpart RRR. [40 CFR 60.703(b)(2)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 83 [40 CFR 60.705(d)(2)] Seal or closure mechanism recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of all monthly visual inspections of the seals and records of all periods and the duration when the seal mechanism is broken, the bypass line valve position has changed, the serial number of the broken car-seal has changed, or when the key for a lock-and-key type configuration has been checked out. Subpart RRR. [40 CFR 60.705(d)(2)]
- 84 [40 CFR 60.705(e)] Presence of a flame recordkeeping by electronic or hard copy continuously, as well as records of all periods when the pilot flame is absent. Subpart RRR. [40 CFR 60.705(e)]
- 85 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 86 [40 CFR 63.113(a)(1)] Comply with the requirements of 40 CFR 63.11(b) of Subpart A in accordance with 63.116(a). [Control device for Group 1 process vents DH1 (all year), DH4 & DH5 (startup, shutdown or malfunction); Group 2 process vents routed to flare only during startup: XD 101A/B/C, T 102, T 105, T 106, T 5, T 5A & T 6A]. Subpart G. [40 CFR 63.113(a)(1)]
- 87 [40 CFR 63.114(a)(2)] Presence of a flame monitored by the regulation's specified method(s) continuously. Subpart G. [40 CFR 63.114(a)(2)]
 Which Months: All Year Statistical Basis: None specified
- 88 [40 CFR 63.116(a)(1)] Conduct a visible emission test using the techniques specified in 40 CFR 63.11(b)(4). Subpart G. [40 CFR 63.116(a)(1)]
- 89 [40 CFR 63.116(a)(2)] Determine the net heating value of the gas being combusted using the techniques specified in 40 CFR 63.11(b)(6). Subpart G. [40 CFR 63.116(a)(2)]
- 90 [40 CFR 63.116(a)(3)] Determine the exit velocity using the techniques specified in either 40 CFR 63.11(b)(7)(i) or 63.11(b)(8), as appropriate. Subpart G. [40 CFR 63.116(a)(3)]
- 91 [40 CFR 63.117(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 92 [40 CFR 63.118(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the hourly records of whether the monitor was continuously operating and whether the pilot flame was continuously present during each hour, and records of the times and durations of all periods when all pilot flames are absent or the monitor is not operating as specified in Pt. 63, Subpt. G, Table 3. Subpart G. [40 CFR 63.118(a)]
- 93 [40 CFR 63.118(f)(5)] Report in the Periodic Report required by 63.152(c) the times and durations of all periods when all pilot flames of a flare are absent. Subpart G. [40 CFR 63.118(f)(5)]
- 94 [40 CFR 63.11] Comply with the control device requirements of 40 CFR 63.11(b). Subpart A.
- 95 [40 CFR 63.2450(e)(2)] Meet the requirements of 40 CFR 63.982(b) and the requirements referenced therein. (Control device for Group 1 process vent DH303; Group 2 process vent AT 304 will vent to flare when making TBEB). Subpart FFFF. [40 CFR 63.2450(e)(2)]
- 96 [40 CFR 63.982(b)] Meet the requirements in 40 CFR 63.987 for flares, and the applicable recordkeeping and reporting requirements of 40 CFR 63.998 and 63.999. Subpart SS. [40 CFR 63.982(b)]
- 97 [40 CFR 63.987(a)] Meet the performance requirements in 40 CFR 63.11(b). Subpart SS. [40 CFR 63.987(a)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
Activity Number: PER20070001
Permit Number: 0840-00006-V4
Air - Title V Regular Permit Minor Mod

EQT0083 GQ 001 Flare System

- 98 [40 CFR 63.987(b)] Conduct an initial flare compliance assessment that meets the requirements specified in 40 CFR 63.987(b)(3)(i) through (b)(3)(iv). Subpart SS. [40 CFR 63.987(b)]
- 99 [40 CFR 63.987(c)] Presence of a flame monitored by the regulation's specified method(s) continuously. Use a device (including but not limited to a thermocouple, ultra-violet beam sensor, or infrared sensor) capable of continuously detecting that at least one pilot flame or the flare flame is present. Subpart SS. [40 CFR 63.987(c)]
- 100 [40 CFR 63.998] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.998(a) through (d), as applicable. Subpart SS.
- 101 [40 CFR 63.999(c)] Submit Periodic Report: Due as specified in the referencing subpart. Include the information specified in 40 CFR 63.999(c)(1) through (c)(7), as applicable. Subpart SS. [40 CFR 63.999(c)]
- 102 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with applicable HON provisions.

EQT0084 HF 303 Dehydro Furnace

- 103 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 104 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

EQT0085 HF 001 Dehydro Furnace

- 105 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified
- 106 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
 Which Months: All Year Statistical Basis: None specified

EQT0086 HF 004 Dehydro Furnace

- 107 [40 CFR 60.48c(a)] Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]
- 108 [40 CFR 60.48c(g)(2)] Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the amount of each fuel combusted during each calendar month. Subpart Dc. [40 CFR 60.48c(g)(2)]
- 109 [40 CFR 60.48c(i)] Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Delftech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
 Air - Title V Regular Permit Minor Mod

EQT0086 HF 004 Dehydro Furnace

- 110 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 111 [40 CFR 63.113(a)(2)] Reduce emissions of total organic hazardous air pollutants by 98 weight-percent or to a concentration of 20 ppm by volume, whichever is less stringent. (Furnace is the control device for Group 1 process vent from reactor DH4. The vent stream is mixed with natural gas prior to being introduced into the furnace). Subpart G. [40 CFR 63.113(a)(2)]
- 112 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas mixture as fuel).
- 113 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas mixture as fuel).
- 114 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with applicable HON provisions.

EQT0087 HF 005 Dehydro Furnace

- 115 [40 CFR 60.48c(a)] Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]
- 116 [40 CFR 60.48c(g)(2)] Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the amount of each fuel combusted during each calendar month.
 Subpart Dc. [40 CFR 60.48c(g)(2)]
- 117 [40 CFR 60.48c(i)] Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]
- 118 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 119 [40 CFR 63.113(a)(2)] Reduce emissions of total organic hazardous air pollutants by 98 weight-percent or to a concentration of 20 ppm by volume, whichever is less stringent. (Furnace is the control device for Group 1 process vent from reactor DH5. The vent stream is mixed with natural gas prior to being introduced into the furnace). Subpart G. [40 CFR 63.113(a)(2)]
- 120 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas mixture as fuel).
- 121 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas mixture as fuel).
- 122 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Comply with applicable HON provisions.

EQT0088 AS BL Barge Loading

- 123 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Vapor pressure of material loaded is less than 1.5 psia. No further control is determined as MACT.

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

EQT0089 AS LR Loading Racks

- 124 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 125 [40 CFR 63.126(c)] Group 2 transfer rack. Comply only with the recordkeeping requirements in 40 CFR 63.130(f). Subpart G. [40 CFR 63.126(c)]
- 126 [40 CFR 63.130(f)] Equipment/operational data recordkeeping by electronic or hard copy annually. Keep records of the design and actual annual throughput, the weight-percent organic HAPs, and the annual rack weighted average HAP partial pressure as specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]
- 127 [40 CFR 63.2475] Group 2 transfer rack. Comply only with the recordkeeping specified in 40 CFR 63.2525(b). Subpart FFFF.
- 128 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy annually. Keep records of the design and actual annual throughput, the weight-percent organic HAPs, and the annual rack weighted average HAP partial pressure as part of an operating scenario as specified in 40 CFR 63.2525(b).
- 129 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 126(c).

EQT0090 COOL TWR Cooling Tower

- 130 [40 CFR 63.104(b)] Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more specified HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
- 131 [40 CFR 63.104(d)] Which Months: All Year Statistical Basis: None specified Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 132 [40 CFR 63.104(f)(1)] Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)(1)]
- 133 [40 CFR 63.104(f)(2)] Submit in the next semi-annual periodic report required by 63.152(c), the information required in 40 CFR 63.104(f)(2)(i) through (f)(2)(v) if the delay of repair is invoked. Subpart F. [40 CFR 63.104(f)(2)]
- 134 [40 CFR 63.402] Do not use chromium-based water treatment chemicals in any affected IPCT. Subpart Q.
- 135 [40 CFR 63.403(a)] Achieve compliance with the requirements of 40 CFR 63.402 18 months after September 8, 1994. Subpart Q. [40 CFR 63.403(a)]
- 136 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subpart F, 63.104.

EQT0111 XD 101A/B/C Reactor Effluent Separator (Alkylation Reactors)

- 137 [40 CFR 60.700] Combust the vent emissions in a boiler or flare meeting the requirements specified in 40 CFR 60.702(a) or 60.702(b). [Applies to new reactor XD 101C. See Specific Requirements for boilers and flare]. Subpart RRR.
- 138 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

EQT0111 XD 101A/B/C Reactor Effluent Separator (Alkylation Reactors)

- 139 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- 140 [40 CFR 63.113(e)] Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping provisions in 63.117(b) and 63.118(c) and (h). Subpart G. [40 CFR 63.113(e)]
- 141 [40 CFR 63.117(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 142 [40 CFR 63.118(c)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 143 [40 CFR 63.118(h)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- 144 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).

EQT0112 PE 005 Vacuum System (T 10) Vent

- 145 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 146 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- 147 [40 CFR 63.113(e)] Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping provisions in 63.117(b) and 63.118(c) and (h). Subpart G. [40 CFR 63.113(e)]
- 148 [40 CFR 63.117(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 149 [40 CFR 63.118(c)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 150 [40 CFR 63.118(h)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- 151 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e).

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EQT0113 PE 301 Vacuum System Vent

- 152 [40 CFR 60.660(c)(4)] TRE > 8.0. Comply with the TRE calculation in 40 CFR 60.664 and the reporting and recordkeeping in 40 CFR 60.665. (NSPS applies to AT 302 and AT 303 when separating benzene and toluene). Subpart NNN. [40 CFR 60.660(c)(4)]
- 153 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 154 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- 155 [40 CFR 63.113(e)] Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping provisions in 63.117(b) and 63.118(c) and (h). (HON applies to AT 302 and AT 303 when separating benzene and toluene). Subpart G. [40 CFR 63.113(e)]
- 156 [40 CFR 63.117(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 157 [40 CFR 63.118(c)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 158 [40 CFR 63.118(h)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- 159 [40 CFR 63.2455] Group 2 process vent. TRE > 5.0. Recalculate the TRE value as specified in 40 CFR 63.115(e) if there is a process change, and comply with the reporting and recordkeeping provisions in 63.2520 and 63.2525. (MON applies to AT 302, AT 303, AT 304 and AT 305 when producing DVB or TBS). Subpart FFFF.
- 160 [40 CFR 63.2520(a)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(1) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 161 [40 CFR 63.2520(e)(10)(ii)] Submit report: Due 60 days before the scheduled implementation date of a change from a Group 2 process vent to a Group 1 process vent. Subpart FFFF. [40 CFR 63.2520(e)(10)(ii)]
- 162 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 163 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Group 2 HON/MON process vents meeting the requirements of 40 CFR 63.100, 113(a)(3), 113(e) and 63.2455 are routed to this source.

EQT0114 PE 302 Vacuum System Vent

- 164 [40 CFR 63.2455] Group 2 process vent. TRE > 5.0. Recalculate the TRE value as specified in 40 CFR 63.115(e) if there is a process change, and comply with the reporting and recordkeeping provisions in 63.2520 and 63.2525. (PE 302 services towers AT 301, AT 305 and AT 307). Subpart FFFF.
- 165 [40 CFR 63.2520(a)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(1) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 166 [40 CFR 63.2520(e)(10)(ii)] Submit report: Due 60 days before the scheduled implementation date of a change from a Group 2 process vent to a Group 1 process vent. Subpart FFFF. [40 CFR 63.2520(e)(10)(ii)]

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EQT0114 PE 302 Vacuum System Vent

167 [40 CFR 63.2525] *Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.*

EQT0115 SCP HTWLL SCP Hotwell Vent

- 168 [40 CFR 63.2455] Group 2 process vent. TRE > 5.0, not using a recovery device. Recalculate the TRE value as specified in 40 CFR 63.115(e) if there is a process change, and comply with the reporting and recordkeeping provisions in 63.2520 and 63.2525. Subpart FFFF.
- 169 [40 CFR 63.2520(a)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(i) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 170 [40 CFR 63.2520(e)(10)(ii)] Submit report: Due 60 days before the scheduled implementation date of a change from a Group 2 process vent to a Group 1 process vent. Subpart FFFF. [40 CFR 63.2520(e)(10)(ii)]
- 171 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 172 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (MON) Subpart FFFF, 40 CFR 63.2455.

EQT0116 DH1 Dehydrogenation Reactor

- 173 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 174 [40 CFR 63.113(a)(1)] The final control device for the Group 1 process vent is flare GQ 001 as specified in 40 CFR 63.113(a)(1). [See Specific Requirements for flare GQ 001 (EQT83)]. Subpart G. [40 CFR 63.113(a)(1)]
- 175 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 113(a)(1).

EQT0117 DH4 Dehydrogenation Reactor

- 176 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 177 [40 CFR 63.113(a)] The final control device for the Group 1 process vent is furnace HF 004 as specified in 40 CFR 63.113(a)(2) and flare GQ 001 (startup or malfunction) as specified in 40 CFR 63.113(a)(1). [See Specific Requirements for furnace HF 004 (EQT 86) and flare GQ 001 (EQT83)]. Subpart G. [40 CFR 63.113(a)]
- 178 [40 CFR 63.113(b)] Introduce the vent stream from a Group 1 process vent into the flame zone if a boiler or process heater is used to comply with 40 CFR 63.113(a)(2). Subpart G. [40 CFR 63.113(b)]
- 179 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(1), 113(a)(2) and 113(b).

EQT0118 DH5 Dehydrogenation Reactor

- 180 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.

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EQT0118 DH5 Dehydrogenation Reactor

- 181 [40 CFR 63.113(a)] The final control device for the Group 1 process vent is furnace HF 005 as specified in 40 CFR 63.113(a)(2) and flare GQ 001 (startup or malfunction) as specified in 40 CFR 63.113(a)(1). [See Specific Requirements for furnace HF 005 (EQT 87) and flare GQ 001 (EQT83)]. Subpart G. [40 CFR 63.113(a)]
- 182 [40 CFR 63.113(b)] Introduce the vent stream from a Group 1 process vent into the flame zone if a boiler or process heater is used to comply with 40 CFR 63.113(a)(2). Subpart G. [40 CFR 63.113(b)]
- 183 [LAC 33-III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(1), 113(a)(2) and 113(b).

EQT0119 DH303 Dehydrogenation Reactor

- 184 [40 CFR 63.2455] The final control device for the Group 1 process vent is flare GQ 001. [See Specific Requirements for flare GQ 001 (EQT83)]. Subpart FFFF. Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (MON) Subpart FFFF, 40 CFR 63.2455.

EQT0139 AT 304 Distillation Tower

- 186 [40 CFR 60.660] Combust the vent emissions in a flare meeting the requirements specified in 40 CFR 60.662(b). [AT 304 will vent to flare when making TBEB. See Specific Requirements for flare GQ 001(EQT 83)]. Subpart NNN.
- 187 [40 CFR 63.2455] Group 2 process vent. TRE > 5.0. Recalculate the TRE value as specified in 40 CFR 63.115(e) if there is a process change, and comply with the reporting and recordkeeping provisions in 63.2520 and 63.2525. Subpart FFFF.
- 188 [40 CFR 63.2520(a)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(i) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 189 [40 CFR 63.2520(e)(10)(ii)] Submit report: Due 60 days before the scheduled implementation date of a change from a Group 2 process vent to a Group 1 process vent. Subpart FFFF. [40 CFR 63.2520(e)(10)(ii)]
- 190 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 191 [LAC 33-III.5109.A] Emits Class II TAP less than the MER (facility wide). No further control is required.

EQT0142 1-07 Diesel Engine No. 5 Well

- 192 [LAC 33-III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified

EQT0143 2-07 Diesel Engine Pond

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EQT0143 2-07 Diesel Engine Pond

193 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

EQT0144 3-07 Diesel Engine Shed by Pond

194 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

EQT0145 4-07 Diesel Engine Generator

195 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

EQT0146 MD 547 Powerhouse Sulfuric Acid Tank

196 [LAC 33:III.5109.A]

Emits Class III TAP only. MACT is not required. (Source emits sulfuric acid, facility wide < MER).

EQT0147 MD 596 Cooling Tower Sulfuric Acid Tank

197 [LAC 33:III.5109.A]

Emits Class III TAP only. MACT is not required. (Source emits sulfuric acid, facility wide < MER).

FUG0001 AS F Fugitives

198 [40 CFR 63.162(c)]

Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

199 [40 CFR 63.162(f)]

Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification on a valve may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

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- 200 [40 CFR 63.163(b)(1)]
Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I), 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
Which Months: All Year Statistical Basis: None specified
- 201 [40 CFR 63.163(b)(3)]
Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
Which Months: All Year Statistical Basis: None specified
- 202 [40 CFR 63.163(c)]
Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 203 [40 CFR 63.163(d)(2)]
Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 204 [40 CFR 63.163(d)(4)]
Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 205 [40 CFR 63.163(e)(1)]
Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 206 [40 CFR 63.163(e)(2)]
Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 207 [40 CFR 63.163(e)(3)]
Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 208 [40 CFR 63.163(e)(4)]
Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
Which Months: All Year Statistical Basis: None specified
- 209 [40 CFR 63.163(e)(6)(i)]
Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 210 [40 CFR 63.163(e)(6)]
Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]

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- 211 [40 CFR 63.163(e)]
 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
 Which Months: All Year Statistical Basis: None specified
- 212 [40 CFR 63.163(b)]
 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
 Which Months: All Year Statistical Basis: None specified
- 213 [40 CFR 63.163(j)(1)]
 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
- 214 [40 CFR 63.163(j)(2)]
 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
- 215 [40 CFR 63.164(a)]
 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 216 [40 CFR 63.164(b)]
 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 217 [40 CFR 63.164(c)]
 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 218 [40 CFR 63.164(d)]
 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 219 [40 CFR 63.164(e)(2)]
 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 220 [40 CFR 63.164(g)]
 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 221 [40 CFR 63.164(i)(2)]
 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]
 Which Months: All Year Statistical Basis: None specified

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- 222 [40 CFR 63.164] *Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H.*
Which Months: All Year Statistical Basis: None specified
- 223 [40 CFR 63.165(a)] *Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]*
Which Months: All Year Statistical Basis: None specified
- 224 [40 CFR 63.165(b)(1)] *Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]*
- 225 [40 CFR 63.165(b)(2)] *Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]*
Which Months: All Year Statistical Basis: None specified
- 226 [40 CFR 63.165(d)(2)] *Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]*
- 227 [40 CFR 63.166] *Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H.*
- 228 [40 CFR 63.167] *Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H.*
- 229 [40 CFR 63.168(c)] *Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]*
Which Months: All Year Statistical Basis: None specified
- 230 [40 CFR 63.168(c)] *Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]*
Which Months: All Year Statistical Basis: None specified
- 231 [40 CFR 63.168(d)(1)] *Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]*
Which Months: All Year Statistical Basis: None specified

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- 232 [40 CFR 63.168(d)(2)] Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
 Which Months: All Year Statistical Basis: None specified
- 233 [40 CFR 63.168(e)(1)] Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 234 [40 CFR 63.168(f)(3)] Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
 Which Months: All Year Statistical Basis: None specified
- 235 [40 CFR 63.168(f)] Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 236 [40 CFR 63.168(h)(1)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 237 [40 CFR 63.168(h)(2)] Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
 Which Months: All Year Statistical Basis: None specified
- 238 [40 CFR 63.168(i)(1)] Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]
- 239 [40 CFR 63.168(i)(3)] Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
 Which Months: All Year Statistical Basis: None specified
- 240 [40 CFR 63.169(a)] Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
 Which Months: All Year Statistical Basis: None specified
- 241 [40 CFR 63.169(c)] Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

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- 242 [40 CFR 63.170] Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H.
- 243 [40 CFR 63.172(f)(1)(i)] Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
- 244 [40 CFR 63.172(f)(1)(ii)] Which Months: All Year Statistical Basis: None specified
Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
- 245 [40 CFR 63.172(f)(2)(i)] Which Months: All Year Statistical Basis: None specified
Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
- 246 [40 CFR 63.172(f)(2)(ii)] Which Months: All Year Statistical Basis: None specified
Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]
- 247 [40 CFR 63.172(h)] Which Months: All Year Statistical Basis: None specified
Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
- 248 [40 CFR 63.172(j)(1)] Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
- 249 [40 CFR 63.172(j)(1)] Which Months: All Year Statistical Basis: None specified
Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]
- 250 [40 CFR 63.172(j)(2)] Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
- 251 [40 CFR 63.172(j)(2)] Which Months: All Year Statistical Basis: None specified
Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]
- 252 [40 CFR 63.172(k)(1)] Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]

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- 253 [40 CFR 63.172(k)(2)] Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
- 254 [40 CFR 63.172(l)(1)] Which Months: All Year Statistical Basis: None specified
 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- 255 [40 CFR 63.172(l)(2)] Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
- 256 [40 CFR 63.172(m)] Which Months: All Year Statistical Basis: None specified
 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 257 [40 CFR 63.173(a)] Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- 258 [40 CFR 63.173(b)] Which Months: All Year Statistical Basis: None specified
 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- 259 [40 CFR 63.173(c)] Which Months: All Year Statistical Basis: None specified
 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 260 [40 CFR 63.173(d)(1)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
- 261 [40 CFR 63.173(d)(2)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
- 262 [40 CFR 63.173(d)(3)] Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]

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- 263 [40 CFR 63.173(d)(4)]
 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]
 Which Months: All Year Statistical Basis: None specified
- 264 [40 CFR 63.173(d)(6)(i)]
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
- 265 [40 CFR 63.173(d)(6)]
 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
- 266 [40 CFR 63.173(d)]
 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]
- 267 [40 CFR 63.173(g)]
 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
 Which Months: All Year Statistical Basis: None specified
- 268 [40 CFR 63.173(h)(1)]
 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]
- 269 [40 CFR 63.173(h)(3)]
 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
 Which Months: All Year Statistical Basis: None specified
- 270 [40 CFR 63.173(i)]
 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(i)]

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- 271 [40 CFR 63.173(j)(2)] Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulator's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]
 Which Months: All Year Statistical Basis: None specified
- 272 [40 CFR 63.174(b)(1)] Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
 Which Months: All Year Statistical Basis: None specified
- 273 [40 CFR 63.174(b)(2)] Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
 Which Months: All Year Statistical Basis: None specified
- 274 [40 CFR 63.174(b)(3)(i)] Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
 Which Months: All Year Statistical Basis: None specified
- 275 [40 CFR 63.174(b)(3)(ii)] Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 276 [40 CFR 63.174(c)(1)(i)] Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
 Which Months: All Year Statistical Basis: None specified
- 277 [40 CFR 63.174(c)(2)(i)] Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 278 [40 CFR 63.174(c)(2)(ii)] Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 279 [40 CFR 63.174(d)] Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 280 [40 CFR 63.174(f)(1)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]

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- 281 [40 CFR 63.174(f)(2)] Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
- 282 [40 CFR 63.174(g)] Which Months: All Year Statistical Basis: None specified
Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 283 [40 CFR 63.174(b)(2)] Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- 284 [40 CFR 63.174(i)] Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 285 [40 CFR 63.180] Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H.
- 286 [40 CFR 63.181] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H.
- 287 [40 CFR 63.182(b)] Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 288 [40 CFR 63.182(b)] Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 289 [40 CFR 63.182(b)] Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 290 [40 CFR 63.182(c)] Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 291 [40 CFR 63.182(d)] Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 292 [40 CFR 63.2480] Comply with the instrument monitoring methods specified in Subpart UU, 40 CFR 63.1023(b) as required in Subpart FFFF, Table 6. Subpart FFFF.
- 293 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 294 [LAC 33:III.501.C.6] Comply with LAC 33:III.2122, LA Non-HON, 40 CFR 60 Subpart VV, 40 CFR 61 Subparts J & V, 40 CFR 63 Subpart FFFF by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (Methyl Styrene Plant and Styrene Storage) and LA Non-HON prior to May 10, 2008 and the MON effective May 10, 2008 (Specialty Chemical Plant). Refer to Attachment A of the Air Permit Briefing Sheet.

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295 [LAC 33:III.501.C.6]

The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:

- a. Changes in components involve routine maintenance, or are undertaken to address safety concerns, or involve small piping revisions with no associated emission increases except from the fugitive components themselves;
- b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than piping components;
- c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
- d. The components are promptly incorporated into any applicable leak detection and repair program.

GRP0009 BOILER CAP Boiler Emissions Cap

Group Members: EQT0079 EQT0080 EQT0082

296 [LAC 33:III.501.C.6]

Permittee shall operate the boilers, Emission Points HB 507, HB 512 and HB 513, under a cap, Emission Point BOILER CAP, so that the total heat input shall not exceed 27.1, 157 and 132 MM Btu/hr respectively. Total calculated PM10, SO2, NOx, CO and VOC emissions for the cap shall not exceed 12.46, 48.0, 115.6, 98.19 and 6.15 TPY respectively. Boiler HB 512 shall burn fuel oil with sulfur content less than or equal to 0.4%. Heat input to the referenced boilers and the cap calculated emissions shall be recorded each month and for the last twelve consecutive months (emissions shall be calculated within 90 days after end of the month). These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall heat input and cap calculated emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total annual heat input and the calculated emissions for the cap shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

GRP0010 TANK CAP Tank Emissions Cap

Group Members: EQT0059 EQT0060 EQT0061 EQT0062 EQT0063 EQT0064 EQT0065 EQT0066 EQT0067 EQT0068 EQT0069 EQT0070 EQT0071 EQT0072 EQT0073 EQT0074 EQT0075 EQT0076 EQT0077 EQT0078 EQT0103 EQT0108

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

Air - Title V Regular Permit Minor Mod

GRP0010 TANK CAP Tank Emissions Cap

297 [LAC 33:III.501.C.6]

Permittee shall comply with the limits of this permit by maintaining the total calculated VOC emissions from the tanks listed below to less than or equal to 1.5.67 tons per year. These calculated VOC emissions shall be reported under an emissions cap, Emission Point TANK CAP. The overall emissions of the cap shall be calculated based on the tanks throughput and the chemical stored and recorded each month and for the last twelve consecutive months (emissions shall be calculated within 90 days after end of the month). Records of the total calculated emissions, chemical stored and tank throughput for each month and for the last twelve consecutive months shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total overall calculated emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total annual emissions emitted from the tank cap shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Tank emissions cap (Emission Point TANK CAP) includes MD 074, MF 126, MF 206, MS 112, MV 320, MV 330, MV 340, MV 801, MV 802, MV 803, MV 804, MV 806, MV 807, MV 809, MV 810, MV 812, MV 813, MV 814, MV 815, MV 816, MV 818

GRP0011 IFR CAP Internal Floating Roof Cap

Group Members: EQT0055 EQT0056 EQT0057

298 [LAC 33:III.501.C.6]

Permittee shall comply with the limits of this permit by maintaining the total calculated VOC emissions from the tanks listed below to less than or equal to 1.15 tons per year. These calculated VOC emissions shall be reported under an emissions cap, Emission Point IFR CAP. The overall emissions of the cap shall be calculated based on the tanks throughput and the chemical stored and recorded each month and for the last twelve consecutive months (emissions shall be calculated within 90 days after end of the month). Records of the total calculated emissions, chemical stored and tank throughput for each month and for the last twelve consecutive months shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total overall calculated emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total annual emissions emitted from the tank cap shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Internal Floating Roof emissions cap (Emission Point IFR CAP) includes MV 808, MV 811, MV 817

GRP0012 LOAD CAP Loading Cap

Group Members: EQT0088 EQT0089

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
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GRP0012 LOAD CAP Loading Cap

299 [LAC 33:III.501.C.6]

Permittee shall comply with the limits of this permit by maintaining the total calculated VOC emissions from the loading operations listed below to less than or equal to 2.55 tons per year. These calculated VOC emissions shall be reported under an emissions cap, Emission Point LOAD CAP. The overall emissions of the cap shall be calculated based on the throughput of material loaded and recorded each month and for the last twelve consecutive months (emissions shall be calculated within 90 days after end of the month). Records of the total calculated emissions and throughput of material loaded for each month and for the last twelve consecutive months shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total overall calculated emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total annual emissions emitted from the loading cap shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

Loading emissions cap (Emission Point LOAD CAP) includes AS BL and AS LR.

GRP0013 MS CAP MS Drums Cap

Group Members: EQT0001 EQT0002 EQT0009 EQT0010 EQT0011 EQT0012 EQT0013 EQT0014 EQT0015 EQT0016 EQT0017 EQT0018 EQT0025 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030 EQT0031 EQT0032 EQT0033 EQT0034 EQT0035 EQT0036 EQT0037 EQT0038 EQT0039 EQT0040

300 [LAC 33:III.501.C.6]

Permittee shall comply with the limits of this permit by maintaining the total calculated VOC emissions from the tanks listed below to less than or equal to 1.68 tons per year. These calculated VOC emissions shall be reported under an emissions cap, Emission Point MS CAP. The overall emissions of the cap shall be calculated based on the tanks throughput and the chemical stored and recorded each month and for the last twelve consecutive months (emissions shall be calculated within 90 days after end of the month). Records of the total calculated emissions, chemical stored and tank throughput for each month and for the last twelve consecutive months shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total overall calculated emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total annual emissions emitted from the tank cap shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

MS Drums emissions cap (Emission Point MS CAP) includes MD 004N, MD 005, MD 005A, MD 005B, MD 006, MD 006A, MD 008A, MD 012, MD 013, MD 015, MD 016, MD 017A, MD 017B, MD 018, MD 019A, MD 019B, MD 019C, MD 019D, MD 019E, MD 020A, MD 020B, MD 020C, MD 020D, MD 020E, MD 023, MD 060, MD 075, MD 079.

GRP0014 SCP CAP SCP Drums Cap

Group Members: EQT0041 EQT0042 EQT0043 EQT0044 EQT0045 EQT0046 EQT0047 EQT0048 EQT0049 EQT0050 EQT0051 EQT0052 EQT0053 EQT0054

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
 Permit Number: 0840-00006-V4
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GRP0014 SCP CAP SCP Drums Cap

301 [LAC 33:III.501.C.6]

Permittee shall comply with the limits of this permit by maintaining the total calculated VOC emissions from the tanks listed below to less than or equal to 0.07 tons per year. These calculated VOC emissions shall be reported under an emissions cap, Emission Point SCP CAP. The overall emissions of the cap shall be calculated based on the tanks throughput and the chemical stored and recorded each month and for the last twelve consecutive months (emissions shall be calculated within 90 days after end of the month). Records of the total calculated emissions, chemical stored and tank throughput for each month and for the last twelve consecutive months shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total overall calculated emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the total annual emissions emitted from the tank cap shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.

SCP Drums emissions cap (Emission Point SCP CAP) includes MD 321, MD 325, MD 326, MD 327, MD 340, MD 341, MD 359, MD 360, MD 360A, MD 361, MD 362, MD 363, MD 364, MD 366.

CRG0001 Surge Control Vessels Common Reqs

Group Members: EQT0003 EQT0004 EQT0005 EQT0006 EQT0109 EQT0110

302 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vapor pressure of the liquid stored is less than 1.5 psia. No further control is determined as MACT. (Applies to tanks MD 008N, MD 011A, MD 014, MD 017, MD 019, MD 020).

CRG0002 Storage Tanks Common Requirements

Group Members: EQT0060 EQT0061 EQT0062 EQT0063 EQT0064 EQT0065 EQT0066 EQT0067 EQT0068 EQT0069 EQT0070 EQT0071 EQT0072 EQT0073 EQT0074 EQT0078 EQT0108

303 [40 CFR 63.100]

Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.

304 [40 CFR 63.119(a)(3)]

Group 2 storage vessel. Comply only with the recordkeeping requirements in 40 CFR 63.123(a). Subpart G. [40 CFR 63.119(a)(3)]

305 [40 CFR 63.123(a)]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

306 [LAC 33:III.5109.A]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 119(a)(3). (Applies to tanks MF 126, MS 112, MV 801, MV 802, MV 803, MV 804, MV 806, MV 807, MV 809, MV 810, MV 812, MV 813, MV 814, MV 815, MV 816, MV 818, MV 332).

CRG0003 Internal Floating Roof Tanks Common Reqs

Group Members: EQT0055 EQT0056 EQT0057

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility

Activity Number: PER20070001

Permit Number: 0840-00006-V4

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CRG0003 Internal Floating Roof Tanks Common Reqs

- 307 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 308 [40 CFR 63.119(a)(1)] Reduce hazardous air pollutants emissions to the atmosphere by operating and maintaining a fixed roof and internal floating roof in accordance with the requirements in 40 CFR 63.119(b). Subpart G. [40 CFR 63.119(a)(1)]
- 309 [40 CFR 63.119(b)(1)] Internal floating roof: Ensure that the internal floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(b)(1)(i) through (b)(1)(iii). Subpart G. [40 CFR 63.119(b)(1)]
- 310 [40 CFR 63.119(b)(2)] Internal floating roof: When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(b)(2)]
- 311 [40 CFR 63.119(b)(3)] Internal floating roof: Equip each internal floating roof with a closure device between the wall of the storage vessel and the roof edge. Closure device shall consist of one of the devices listed in 40 CFR 63.119(b)(3)(i) through (b)(3)(iii), except as specified in 40 CFR 63.119(b)(3)(iv). Subpart G. [40 CFR 63.119(b)(3)]
- 312 [40 CFR 63.119(b)(4)] Internal floating roof: Ensure that automatic bleeder vents are closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Subpart G. [40 CFR 63.119(b)(4)]
- 313 [40 CFR 63.119(b)(5)] Internal floating roof: Ensure that each internal floating roof meets the specifications listed in 40 CFR 63.119(b)(5)(i) through (b)(5)(vii), except as provided in 40 CFR 63.119(b)(5)(viii). Subpart G. [40 CFR 63.119(b)(5)]
- 314 [40 CFR 63.119(b)(6)] Internal floating roof: Ensure that each cover or lid on any opening in the internal floating roof is closed except when the cover or lid must be open for access. Ensure that covers on each access hatch and each gauge float well are bolted or fastened so as to be air-tight when they are closed. Rim space vents are to be set to open only when the internal floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart G. [40 CFR 63.119(b)(6)]
- 315 [40 CFR 63.120(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) according to the schedule specified in 40 CFR 63.120(a)(2) and (a)(3). Subpart G. [40 CFR 63.120(a)(1)]
- 316 [40 CFR 63.120(a)(4)] Which Months: All Year Statistical Basis: None specified
- 317 [40 CFR 63.120(a)(5)] Repair storage vessel or empty and remove from service within 45 calendar days, if during the inspections required by 40 CFR 63.120(a)(2)(i) or (a)(3)(ii), any of the conditions specified in 40 CFR 63.120(a)(4) are found. Subpart G. [40 CFR 63.120(a)(4)]
- 318 [40 CFR 63.120(a)(6)] Submit Notification: Due in writing at least 30 calendar days prior to the refilling of each storage vessel to afford DEQ the opportunity to have an observer present, for all the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), and (a)(3)(iii). Subpart G. [40 CFR 63.120(a)(5)]
- 319 [40 CFR 63.120(a)(7)] Submit Notification: If the inspection required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii) is not planned and it could not have been known about 30 calendar days in advance of refilling, submit notification at least 7 calendar days prior to the refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(a)(6)]
- 320 [40 CFR 63.122(a)(4)] If any of the conditions listed in 40 CFR 63.120(a)(7) are found during the inspections required by 40 CFR 63.120(a)(2)(ii), (a)(3)(i), or (a)(3)(iii), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(a)(7)]
- 320 [40 CFR 63.122(a)(4)] Submit Periodic Reports as required by 40 CFR 63.152(c). Include the information specified in 40 CFR 63.122(d). Subpart G. [40 CFR 63.122(a)(4)]

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
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CRG0003 Internal Floating Roof Tanks Common Reqs

- 321 [40 CFR 63.122(a)(5)] Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 322 [40 CFR 63.123] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep readily accessible records of the information specified in 40 CFR 63.123(a) through (i), as applicable. Keep the records as long as the storage vessel retains Group 1 status and is in operation. Subpart G.
- 323 [LAC 33:III.2103.B] Equip with a submerged fill pipe and an internal floating roof as specified in LAC 33:III.2103.C.
- 324 [LAC 33:III.2103.C.1.c] Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 325 [LAC 33:III.2103.C.2] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 326 [LAC 33:III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 327 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 328 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 329 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 119(a)(1) and 119(b). (Applies to tanks MV 808, MV 811, MV 817).

CRG0004 SCVs & Bottom Receivers Common Reqs

- Group Members: EQT0009 EQT0010 EQT0011 EQT0012 EQT0014 EQT0015 EQT0025 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030 EQT0031 EQT0033 EQT0035 EQT0036 EQT0037 EQT0038 EQT0039 EQT0040
- 330 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vapor pressure of the liquid stored is less than 1.5 psia. No further control is determined as MACT. (Applies to tanks MD 004N, MD 005, MD 006, MD 006A, MD 015, MD 016, MD 017A, MD 019A, MD 019B, MD 019C, MD 019D, MD 019E, MD 020A, MD 020B, MD 020C, MD 020D, MD 020E, MD 023, MD 075, MD 079).

CRG0005 Inhibitor Drums Common Requirements

Group Members: EQT0016 EQT0017

SPECIFIC REQUIREMENTS

AI ID: 248 - Deltech Corp - Baton Rouge Facility
 Activity Number: PER20070001
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CRG0005 Inhibitor Drums Common Requirements

331 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Tanks are filled from the bottom of the tank to minimize emissions during filling. (Applies to tanks MD 012, MD 013).

CRG0006 SCVs & Bottom Receivers Common Reqs

Group Members: EQT0001 EQT0002 EQT0013 EQT0018 EQT0032 EQT0034

332 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Vapor pressure of the liquid stored is less than 1.5 psia. No further control is determined as MACT. (Applies to tanks MD 005A, MD 005B, MD 008A, MD 017B, MD 018, MD 060).

CRG0007 Storage Tanks Common Requirements

Group Members: EQT0007 EQT0041 EQT0042 EQT0043 EQT0044 EQT0045 EQT0046 EQT0047 EQT0048 EQT0049 EQT0050 EQT0051 EQT0052 EQT0053 EQT0054

333 [40 CFR 63.2470] Group 2 storage vessel. Comply with the recordkeeping provisions in 40 CFR 63.2525.
 334 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the dimensions of the storage vessel, capacity of the storage vessel and identification of the liquid stored as part of an operating scenario as specified in 40 CFR 63.2525(b). Subpart FFFF.
 335 [LAC 33:III.5109.A] Emits Class II TAPs less than the MER (facility wide). No further control is required. (Applies to tanks MD 321, MD 325, MD 326, MD 327, MD 340, MD 341, MD 359, MD 360, MD 360A, MD 361, MD 362, MD 363, MD 364, MD 366, MD 394).

CRG0008 Biotreatment Feed Tanks Common Reqs

Group Members: EQT0094 EQT0095 EQT0096 EQT0097 EQT0098 EQT0099 EQT0100

336 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
 337 [40 CFR 61.357(c)] Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
 338 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
 339 [40 CFR 63.132(a)(3)] Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.146(b)(1) and 63.147(b)(8). (Wastewater stream HAP concentration < 1,000 ppm). Subpart G. [40 CFR 63.132(a)(3)]

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AI ID: 248 - Deltech Corp - Baton Rouge Facility
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CRG0008 Biotreatment Feed Tanks Common Reqs

- 340 [40 CFR 63.147] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records showing process unit identification and description, stream identification code, concentration of compounds (ppm), and flow rate (liter per min) as specified in 40 CFR 63.147(b)(8). Subpart G.
- 341 [40 CFR 63.2485] Group 2 process wastewater. Comply with the applicable reporting and recordkeeping requirements specified in 63.2520 and 63.2525. (Wastewater stream HAP concentration < 1,000 ppm). Subpart FFFF.
- 342 [40 CFR 63.2520(e)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(1) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 343 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records showing process unit identification and description, stream identification code, concentration of compounds (ppm), and flow rate (liter per min) as part of an operating scenario as specified in 40 CFR 63.2525(b). Subpart FFFF.
- 344 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100 and 132(a)(3). (Applies to tanks MS 404, MS 405, MS 406, MS 407, MS 412, MS 413, MS 416).

CRG0009 Distillation Towers Common Requirements

- Group Members: EQT0120 EQT0121 EQT0122 EQT0123 EQT0124 EQT0125 EQT0126 EQT0127 EQT0128 EQT0129
- 345 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 346 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- 347 [40 CFR 63.113(d)] Group 2 process vent. TRE > 1.0 but <= 4.0. Comply with the monitoring of recovery device parameters in 63.114(b) or (c), the TRE calculations of 63.115, and the applicable reporting and recordkeeping provisions of 63.117 and 63.118. [Columns vent to PE 01. See Specific Requirements for condenser PE 01 (EQT 21)]. Subpart G. [40 CFR 63.113(d)]
- 348 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(d). (Applies to distillation columns T 8, T 9, T 9B, T 9C, T 9D, T 10, T 10A, T 10B, T 10C, T 11E).

CRG0010 Distillation Towers Common Requirements

- Group Members: EQT0130 EQT0131 EQT0132 EQT0133 EQT0134 EQT0135
- 349 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 350 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]

SPECIFIC REQUIREMENTS

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CRG0010 Distillation Towers Common Requirements

- 351 [40 CFR 63.113(c)] Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping provisions in 63.117(b) and 63.118(c) and (h). [Columns vent to boilers and flare (startup)]. Subpart G. [40 CFR 63.113(e)]
- 352 [40 CFR 63.117(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 353 [40 CFR 63.118(c)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 354 [40 CFR 63.118(h)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- 355 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e). (Applies to distillation columns T 102, T 105, T 106, T 5, T 5A, T 6A).

CRG0011 Distillation Towers Common Requirements

Group Members: EQT0137 EQT0138

- 356 [40 CFR 60.660(c)(4)] TRE > 8.0. Comply with the TRE calculation in 40 CFR 60.664 and the reporting and recordkeeping in 40 CFR 60.665. Subpart NNN. [40 CFR 60.660(c)(4)]
- 357 [40 CFR 63.100] Comply with the applicability provisions, definitions, and other general provisions specified in 40 CFR 63.100. Subpart F.
- 358 [40 CFR 63.113(a)(3)] Achieve and maintain a TRE > 1.0 at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Comply with the provisions for a Group 2 process vent specified in either 40 CFR 63.113(d) or (e), whichever is applicable. Subpart G. [40 CFR 63.113(a)(3)]
- 359 [40 CFR 63.113(e)] Group 2 process vent. TRE > 4.0. Comply with the TRE calculation in 63.115 and the reporting and recordkeeping provisions in 63.117(b) and 63.118(c) and (h). (Columns vent to PE 301). Subpart G. [40 CFR 63.113(e)]
- 360 [40 CFR 63.117(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 361 [40 CFR 63.118(c)] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 362 [40 CFR 63.118(h)] Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

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CRG0011 Distillation Towers Common Requirements

363 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (HON) Subparts F and G, 40 CFR 63.100, 113(a)(3) and 113(e). (HON applies to AT 302 and AT 303 when separating benzene and toluene).

CRG0012 Distillation Towers Common Requirements

Group Members: EQT0137 EQT0138 EQT0139 EQT0140

- 364 [40 CFR 63.2455] Group 2 process vent. TRE > 5.0. Recalculate the TRE value as specified in 40 CFR 63.115(e) if there is a process change, and comply with the reporting and recordkeeping provisions in 63.2520 and 63.2525. (Columns vent to PE 301). Subpart FFFF.
- 365 [40 CFR 63.2520(a)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(1) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 366 [40 CFR 63.2520(e)(10)(ii)] Submit report: Due 60 days before the scheduled implementation date of a change from a Group 2 process vent to a Group 1 process vent. Subpart FFFF. [40 CFR 63.2520(e)(10)(ii)]
- 367 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.
- 368 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Comply with NESHAP (MON) Subpart FFFF, 40 CFR 63.2455 (b). (MON applies to AT 302, AT 303, AT 304 and AT 305 when producing DVB or TBS).

CRG0013 Distillation Towers Common Requirements

Group Members: EQT0136 EQT0140 EQT0141

- 369 [40 CFR 63.2455] Group 2 process vent. TRE > 5.0. Recalculate the TRE value as specified in 40 CFR 63.115(e) if there is a process change, and comply with the reporting and recordkeeping provisions in 63.2520 and 63.2525. (Columns AT 301, AT 305 and AT 307 vent to PE 302). Subpart FFFF.
- 370 [40 CFR 63.2520(a)] Submit Compliance Report: Due semiannually by August 31 and February 28. Include the information specified in 40 CFR 63.2520(e)(1) through (e)(10). Subpart FFFF. [40 CFR 63.2520(a)]
- 371 [40 CFR 63.2520(e)(10)(ii)] Submit report: Due 60 days before the scheduled implementation date of a change from a Group 2 process vent to a Group 1 process vent. Subpart FFFF. [40 CFR 63.2520(e)(10)(ii)]
- 372 [40 CFR 63.2525] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.2525(a) through (k), as applicable. Subpart FFFF.

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373 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

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- 374 [40 CFR 61.355] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 375 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 376 [40 CFR 61.357(a)] Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 377 [40 CFR 61.357(c)] Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
- 378 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 379 [40 CFR 63.152(c)] Submit Periodic Reports: Due semiannually no later than 60 calendar days after the end of each 6-month period, except as specified in 40 CFR 63.152(c)(5) and (c)(6). Submit the first report no later than 8 months after the date the Notification of Compliance Status is due. Include the information specified in 40 CFR 63.152(c)(2) through (c)(4). Subpart G. [40 CFR 63.152(c)]
- 380 [40 CFR 63.152(f)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records as specified in 40 CFR 63.152(f)(1) through (f)(7). Subpart G. [40 CFR 63.152(f)]
- 381 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 382 [40 CFR 68.12(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]
- 383 [40 CFR 68.12(b)(2)] Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]
- 384 [40 CFR 68.12(b)(3)] Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]
- 385 [40 CFR 68.12(b)(4)] Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]
- 386 [40 CFR 68.150] Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999.
- 387 [40 CFR 68.155] Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g).
- 388 [40 CFR 68.160] Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13).
- 389 [40 CFR 68.165] Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13).
- 390 [40 CFR 68.168] Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a).
- 391 [40 CFR 68.180] Provide in the RMP the emergency response information listed in 68.180(a) through (c).

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- 392 [40 CFR 68.190(c)] Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 393 [40 CFR 68.190] Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999.
- 394 [40 CFR 68.200] Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided.
- 395 [40 CFR 68.22] Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences.
- 396 [40 CFR 68.25] Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h).
- 397 [40 CFR 68.28] Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e).
- 398 [40 CFR 68.30] Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 399 [40 CFR 68.33] List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a).
- 400 [40 CFR 68.36(b)] Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 401 [40 CFR 68.36] Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more.
- 402 [40 CFR 68.39] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses.
- 403 [40 CFR 68.42] Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release.
- 404 [40 CFR 70.5(a)(1)(iii)] Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 405 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 406 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

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- 407 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 408 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 409 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 410 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 411 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 412 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 413 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 414 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 415 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only).
- 416 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- 417 [LAC 33:III.504] Comply with the requirements of the Nonattainment New Source Review Program. This permit includes provisions of the Nonattainment New Source Review Procedures (NNSR) from LAC 33:III.504.
- 418 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 419 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
- 420 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 421 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.

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- 422 [LAC 33:III.5107.A.2] Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 423 [LAC 33:III.5107.A] Submit Annual Emissions Report (TEDJ): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 424 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 425 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
- 426 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.
- 427 [LAC 33:III.5107.B.4] Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
- 428 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 429 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by DEQ.
- 430 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 431 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 432 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 433 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.

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- 434 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 435 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- 436 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 437 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 438 [LAC 33:III.5911.A] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 439 [LAC 33:III.5911.C] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- 440 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 441 [LAC 33:III.927] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1. Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.